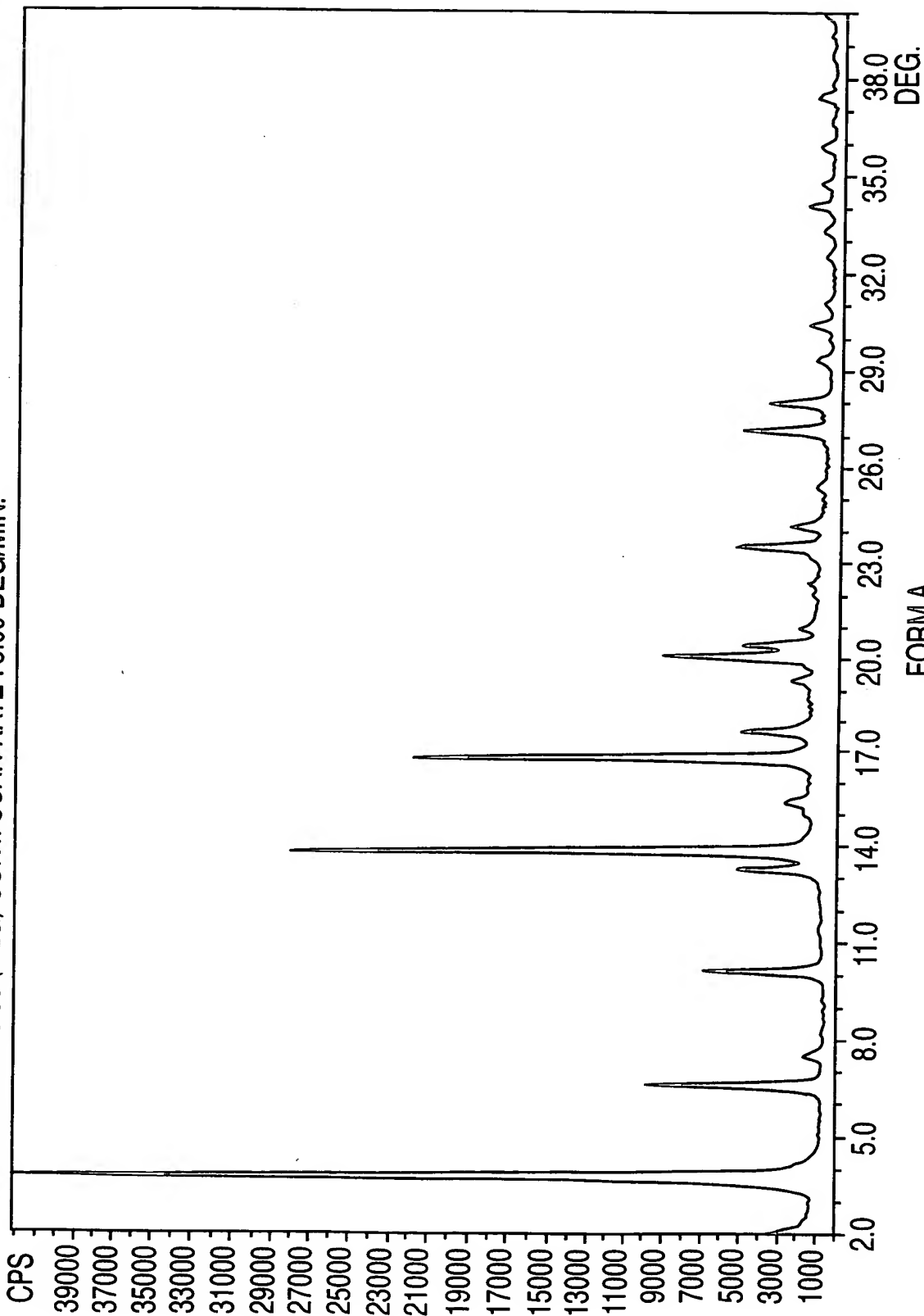




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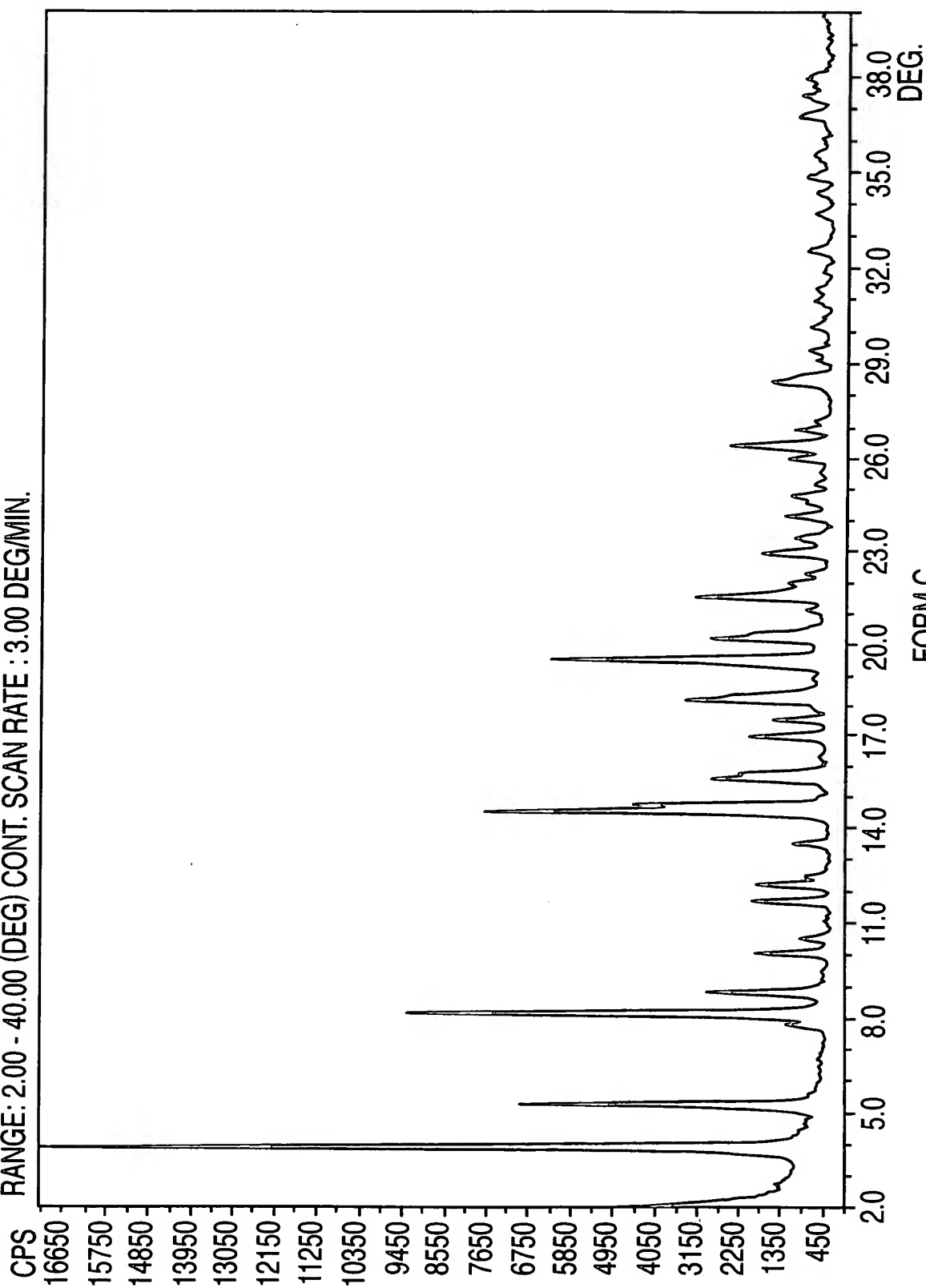
STEP : 0.050° CNT TIME: 1.000 SEC.  
RANGE: 2.00 - 40.00 (DEG) CONT. SCAN RATE : 3.00 DEG/MIN.



FORMA

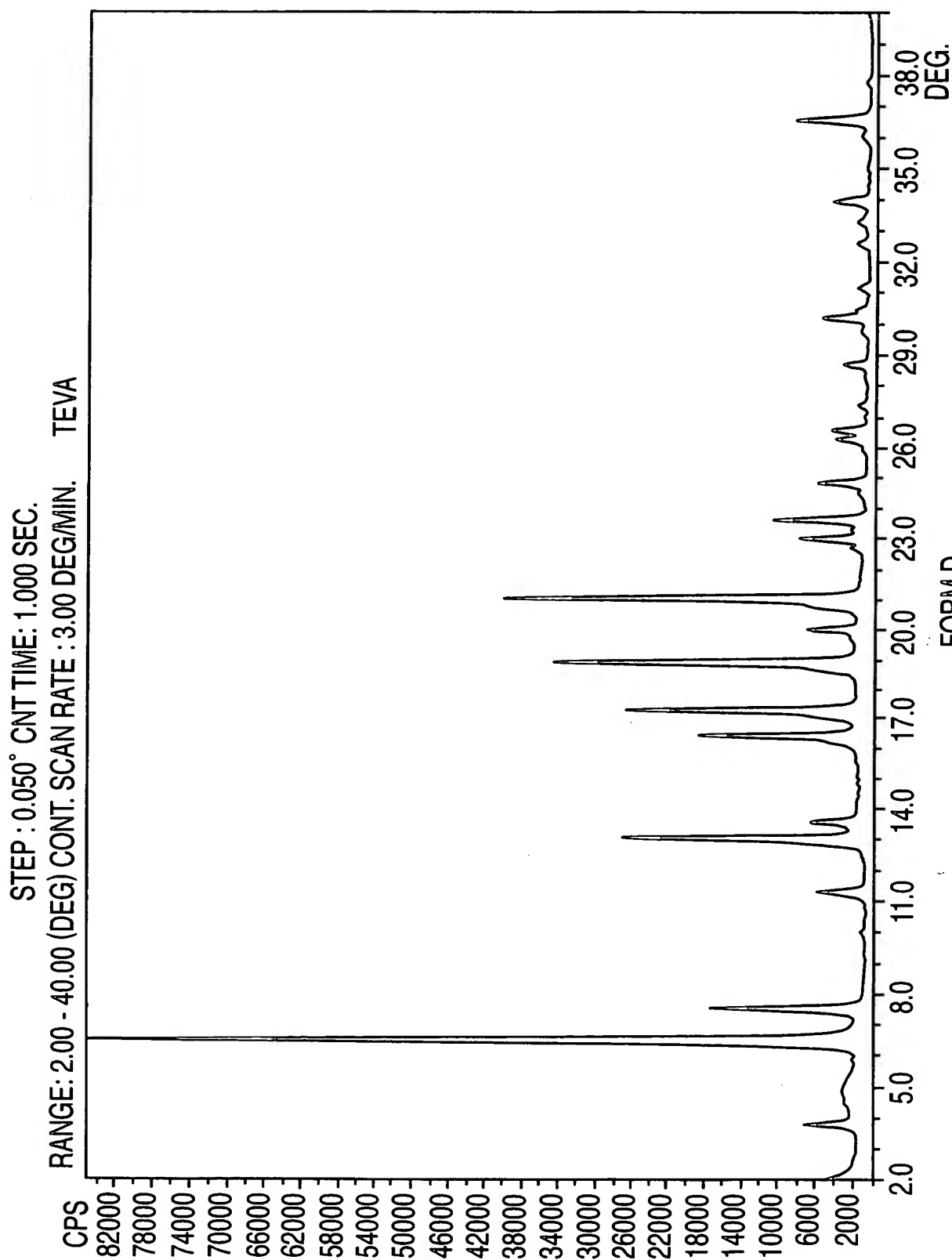
FIG. 1

STEP : 0.050° CNT TIME: 1.000 SEC.  
RANGE: 2.00 - 40.00 (DEG) CNT. SCAN RATE : 3.00 DEG/MIN.

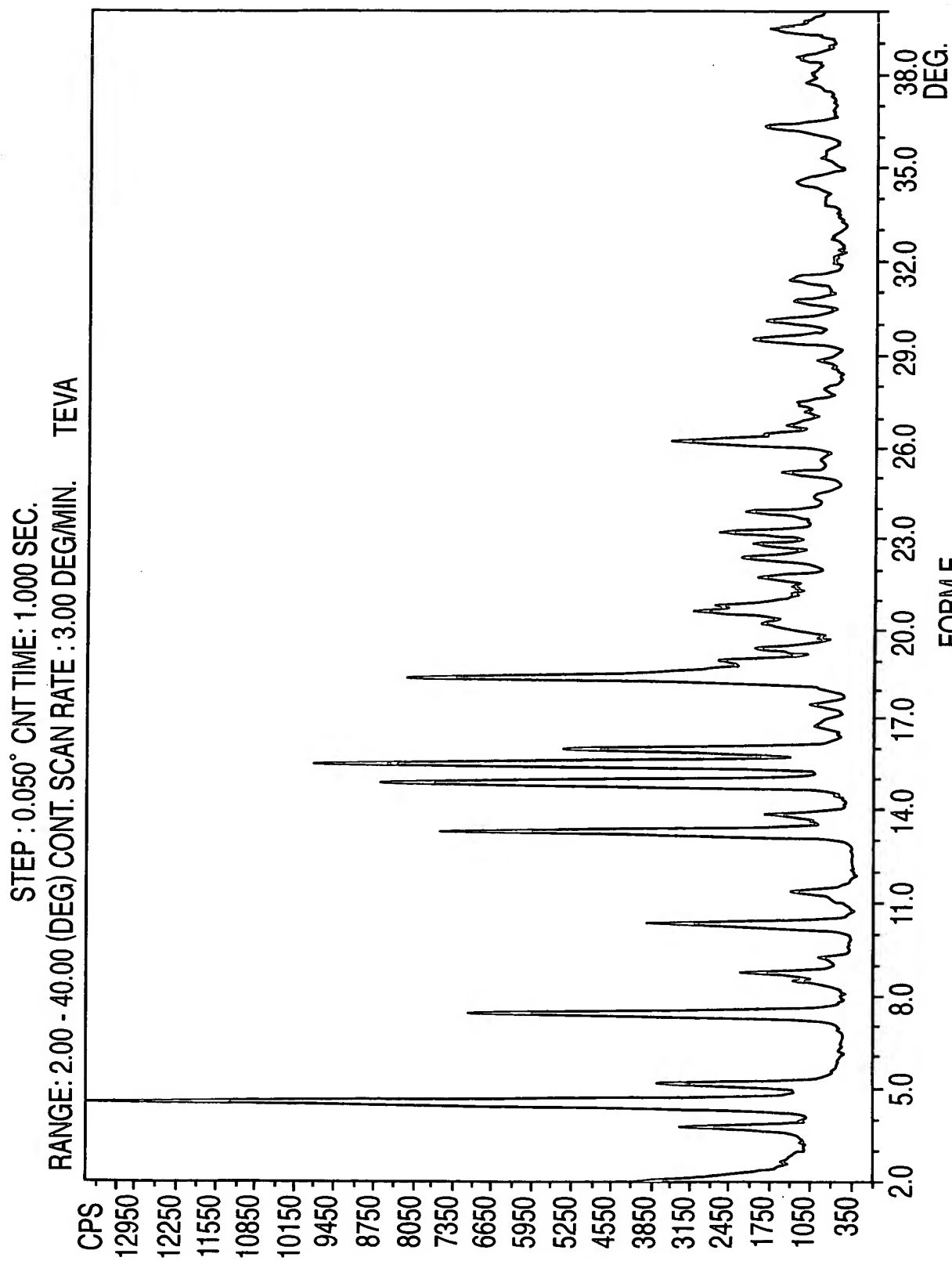


FORM C

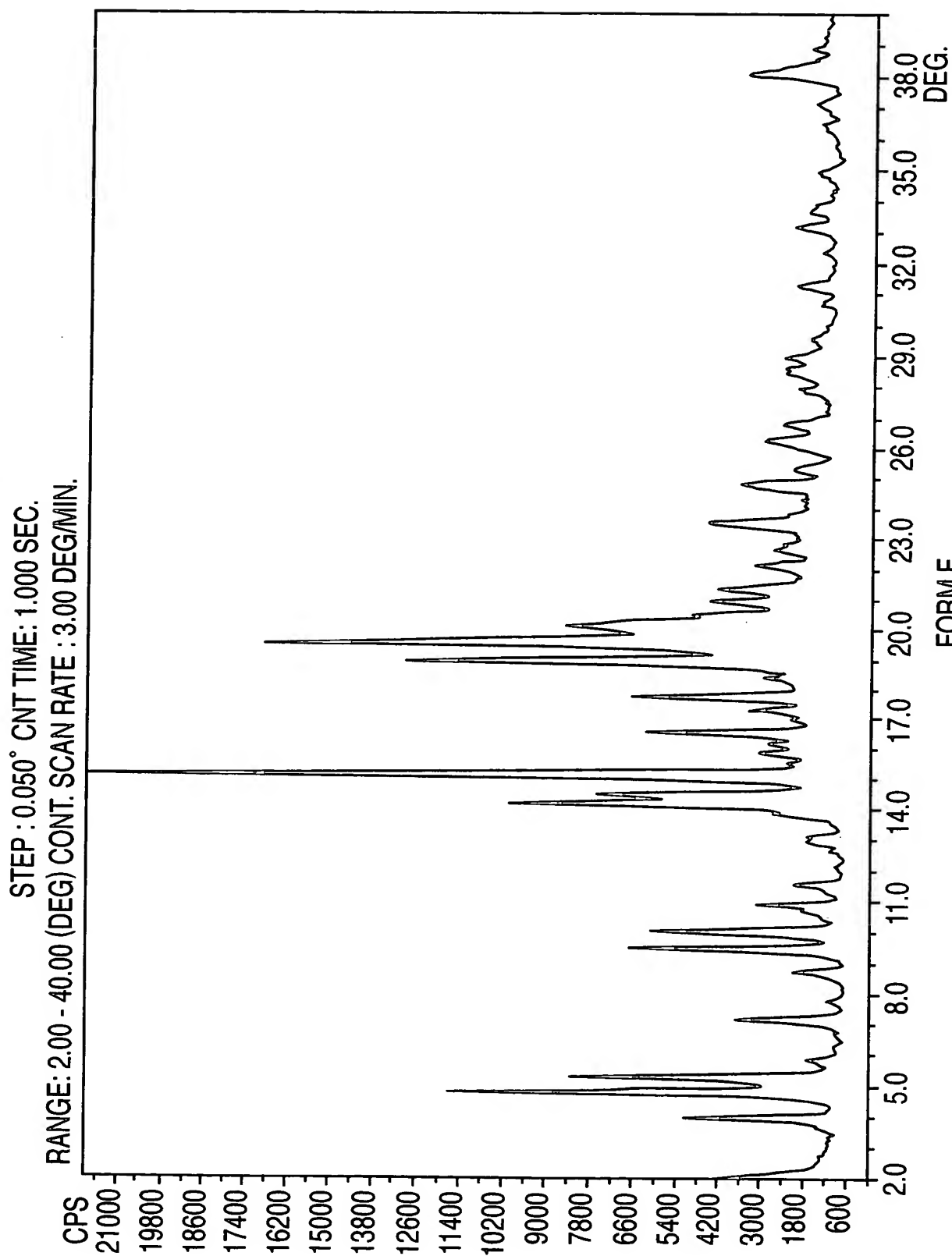
FIG. 2



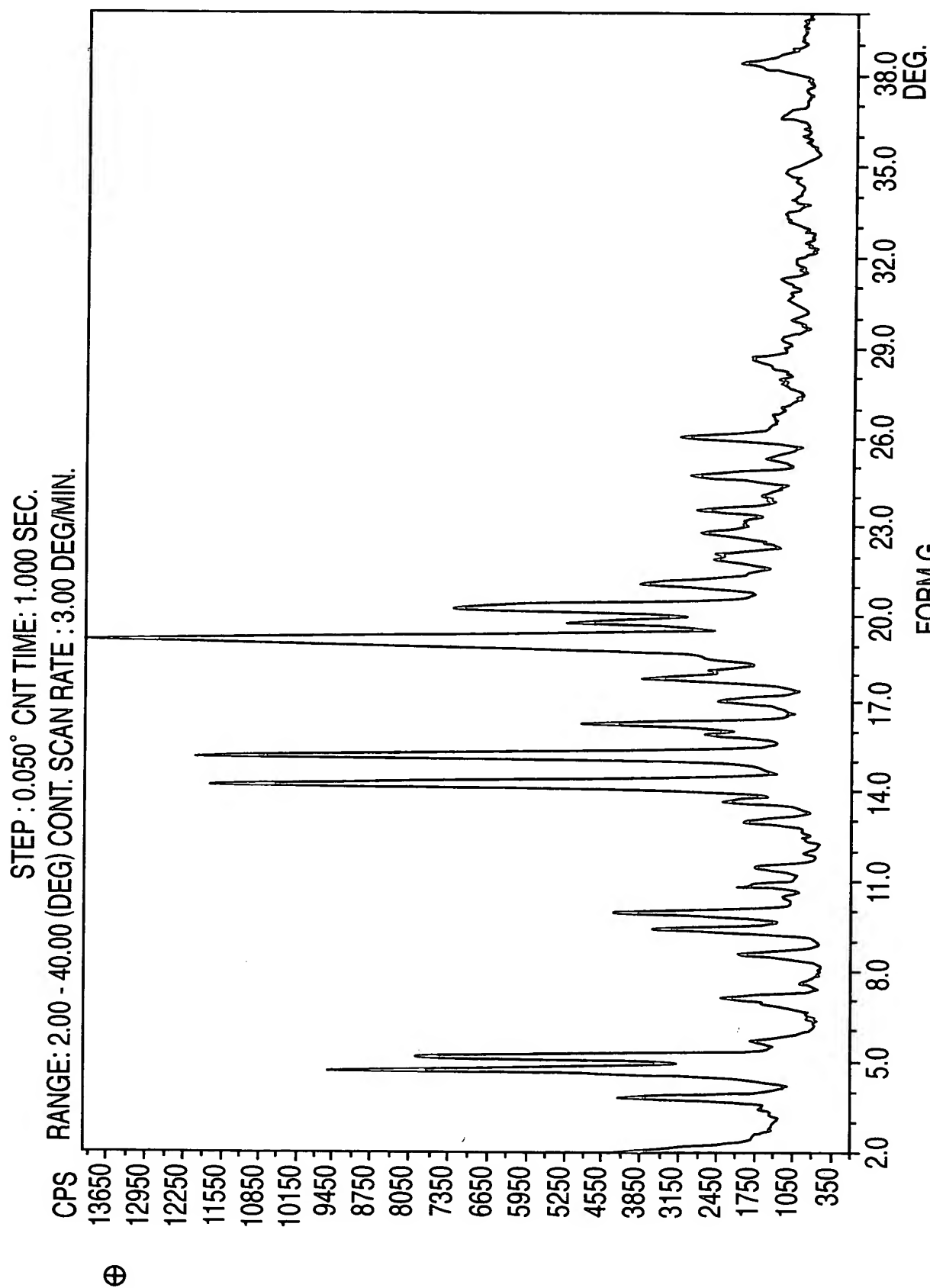
FORM D  
FIG. 3



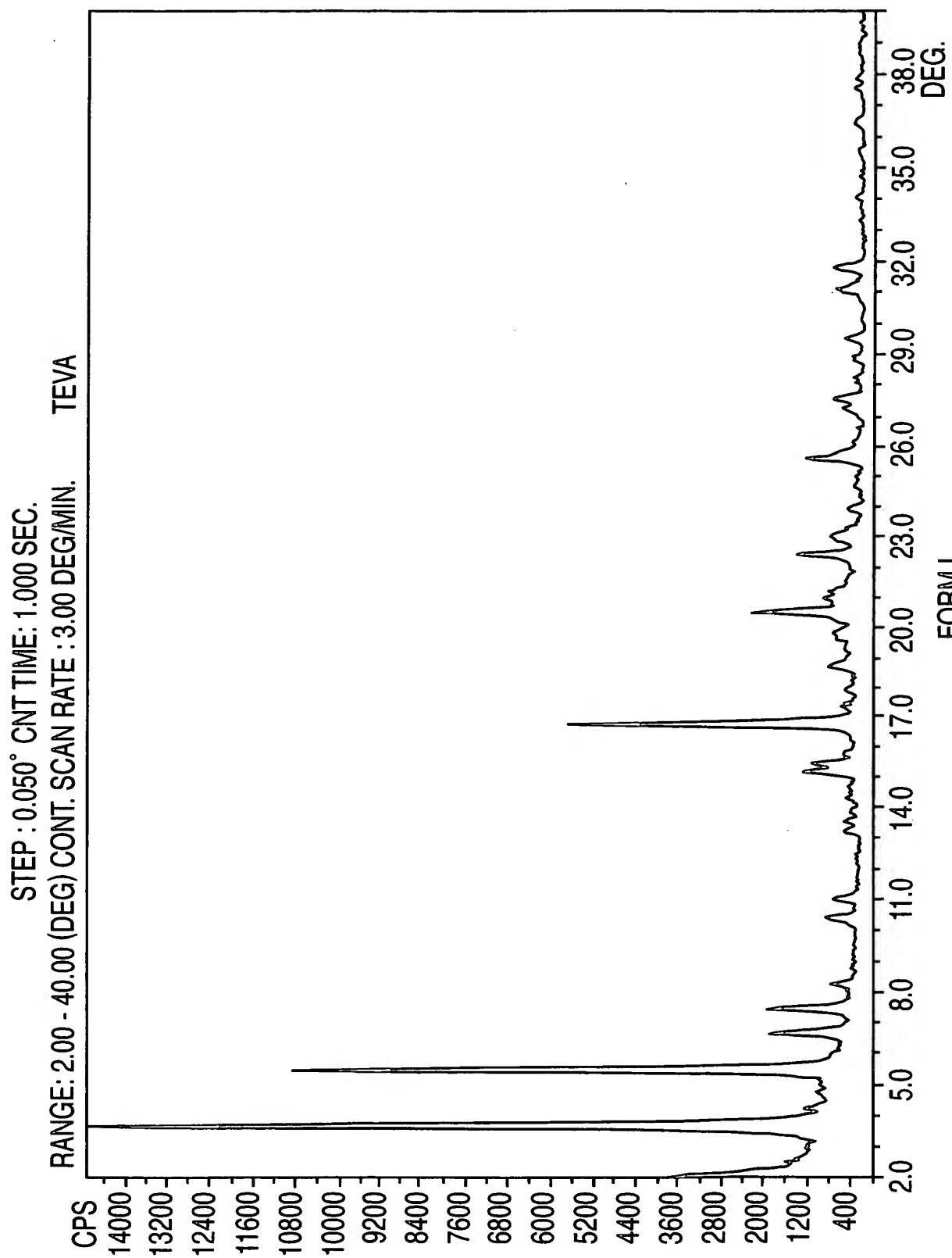
FORM E  
FIG. 4



FORM F  
FIG. 5

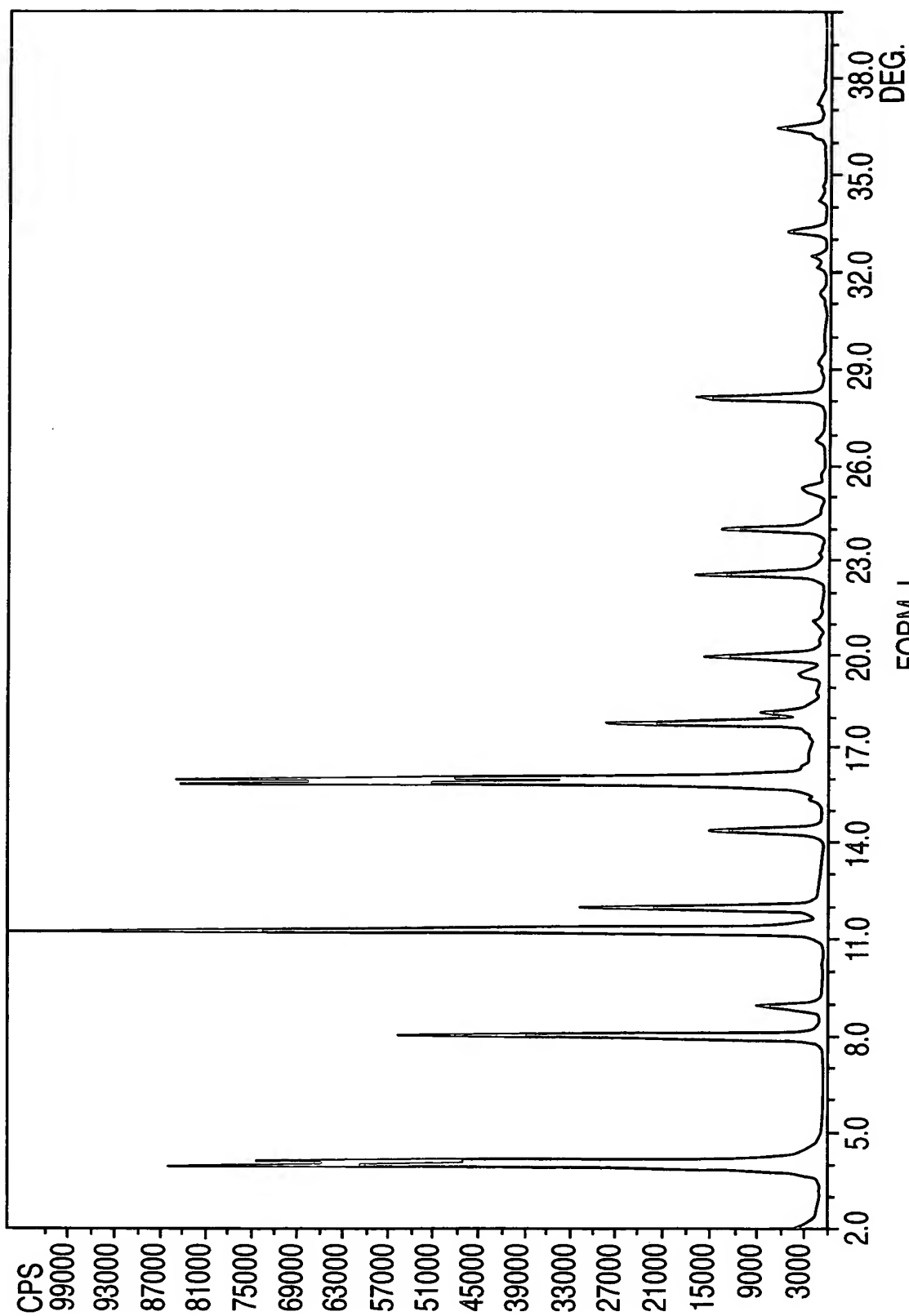


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FORM I  
FIG. 7

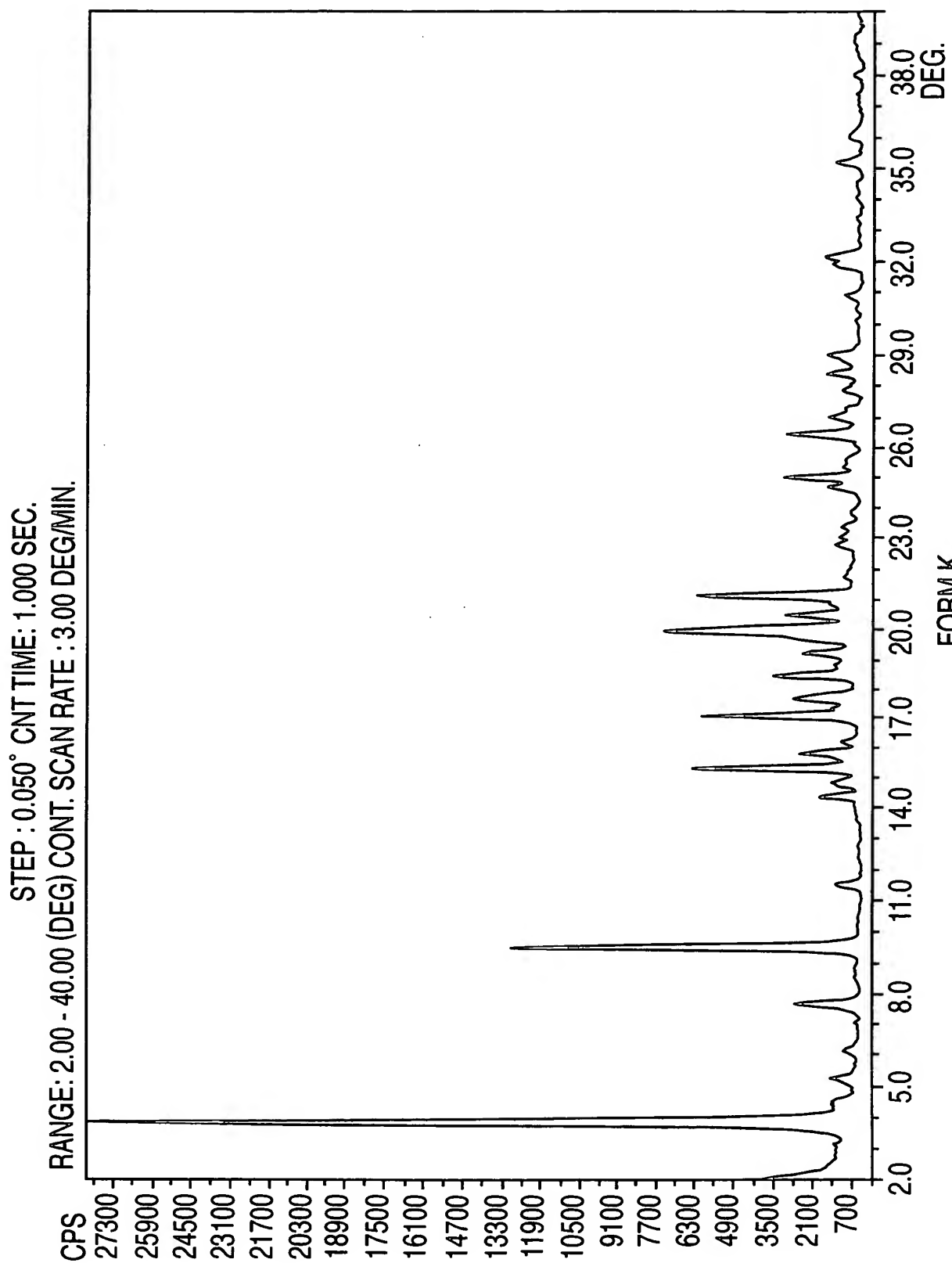
STEP : 0.050° CNT TIME: 1.000 SEC.  
RANGE: 2.00 - 40.00 (DEG) CONT. SCAN RATE : 3.00 DEG/MIN.



FORM J  
FIG. 8

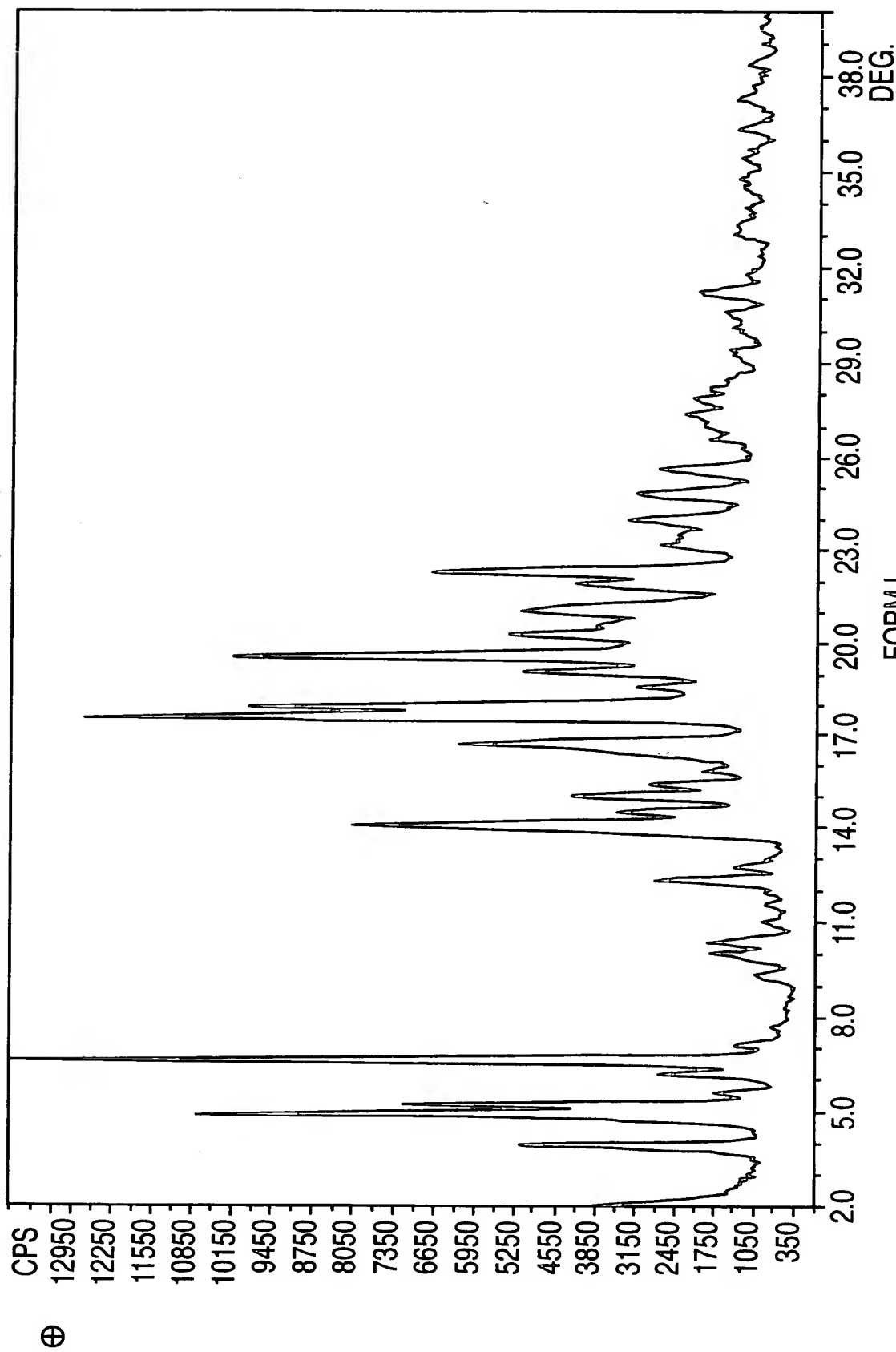


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FORM K  
FIG. 9

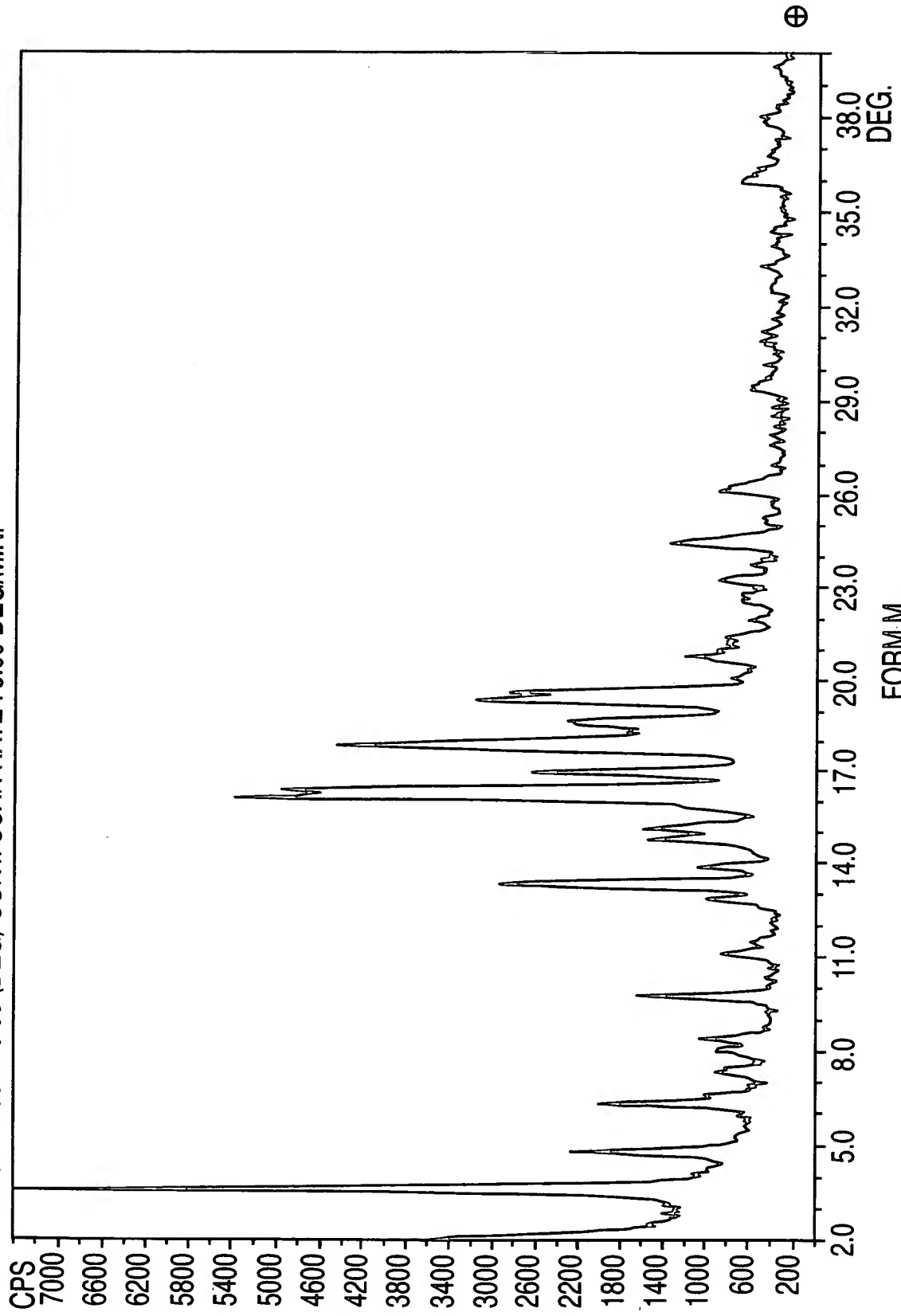
STEP : 0.050° CNT TIME: 1.000 SEC.  
RANGE: 2.00 - 40.00 (DEG) CONT. SCAN RATE : 3.00 DEG/MIN.



FORM L  
FIG. 10

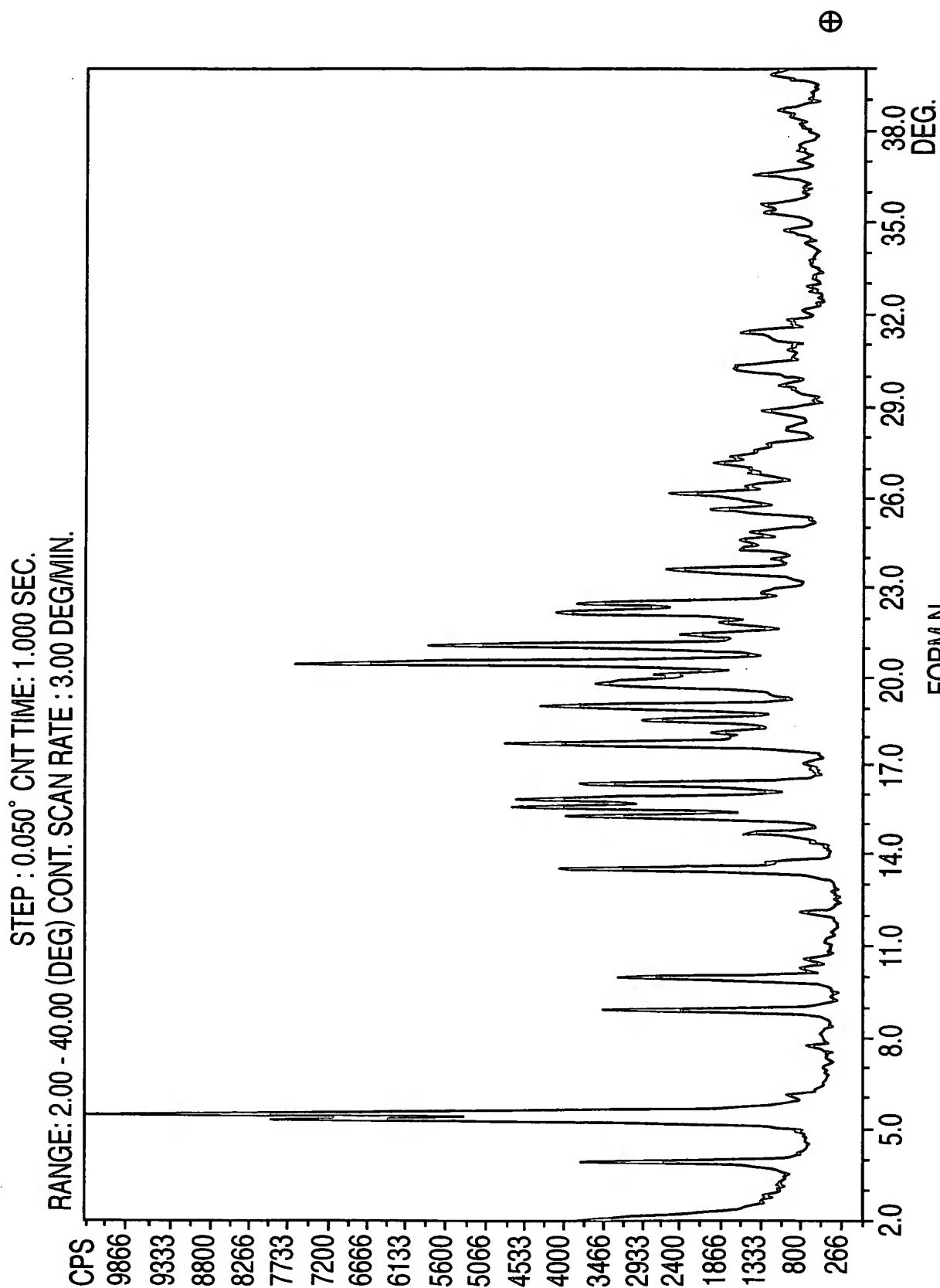
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STEP : 0.050° CNT TIME: 1.000 SEC.  
RANGE: 2.00 - 40.00 (DEG) CONT. SCAN RATE : 3.00 DEG/MIN.



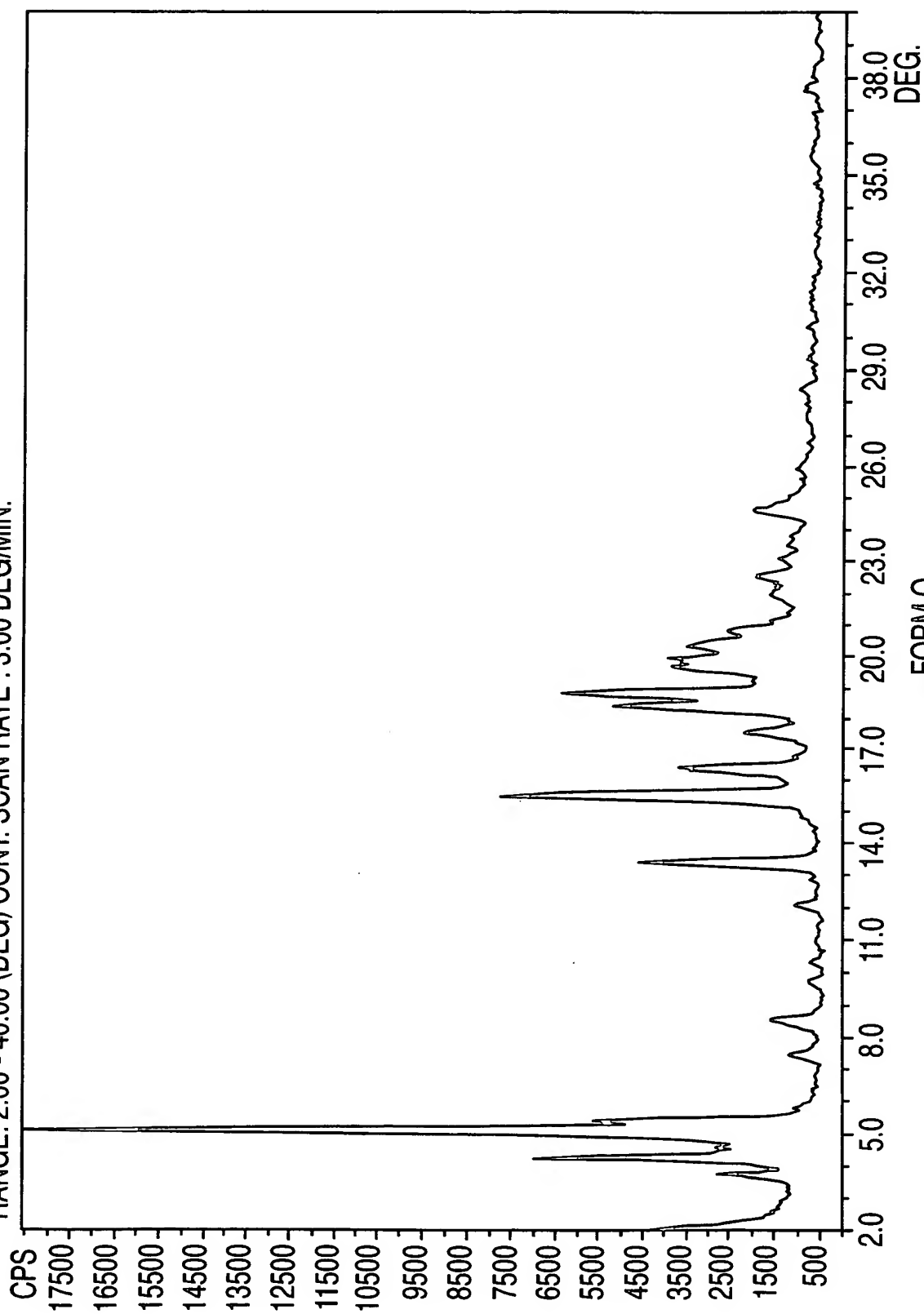
FORM M  
FIG. 11

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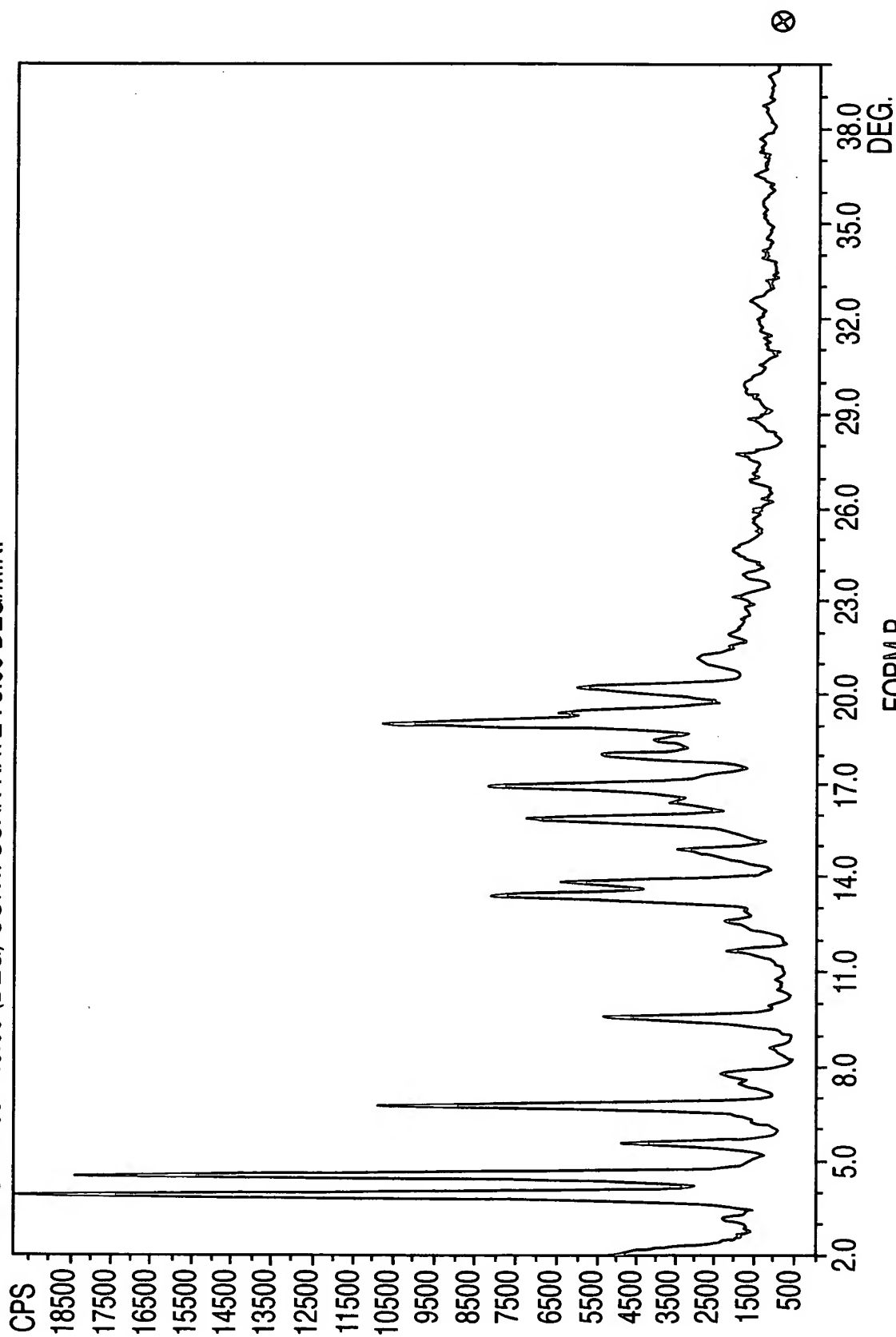
FORM N  
FIG. 12

STEP : 0.050° CNT TIME: 1.000 SEC.  
RANGE: 2.00 - 40.00 (DEG) CONT. SCAN RATE : 3.00 DEG/MIN.



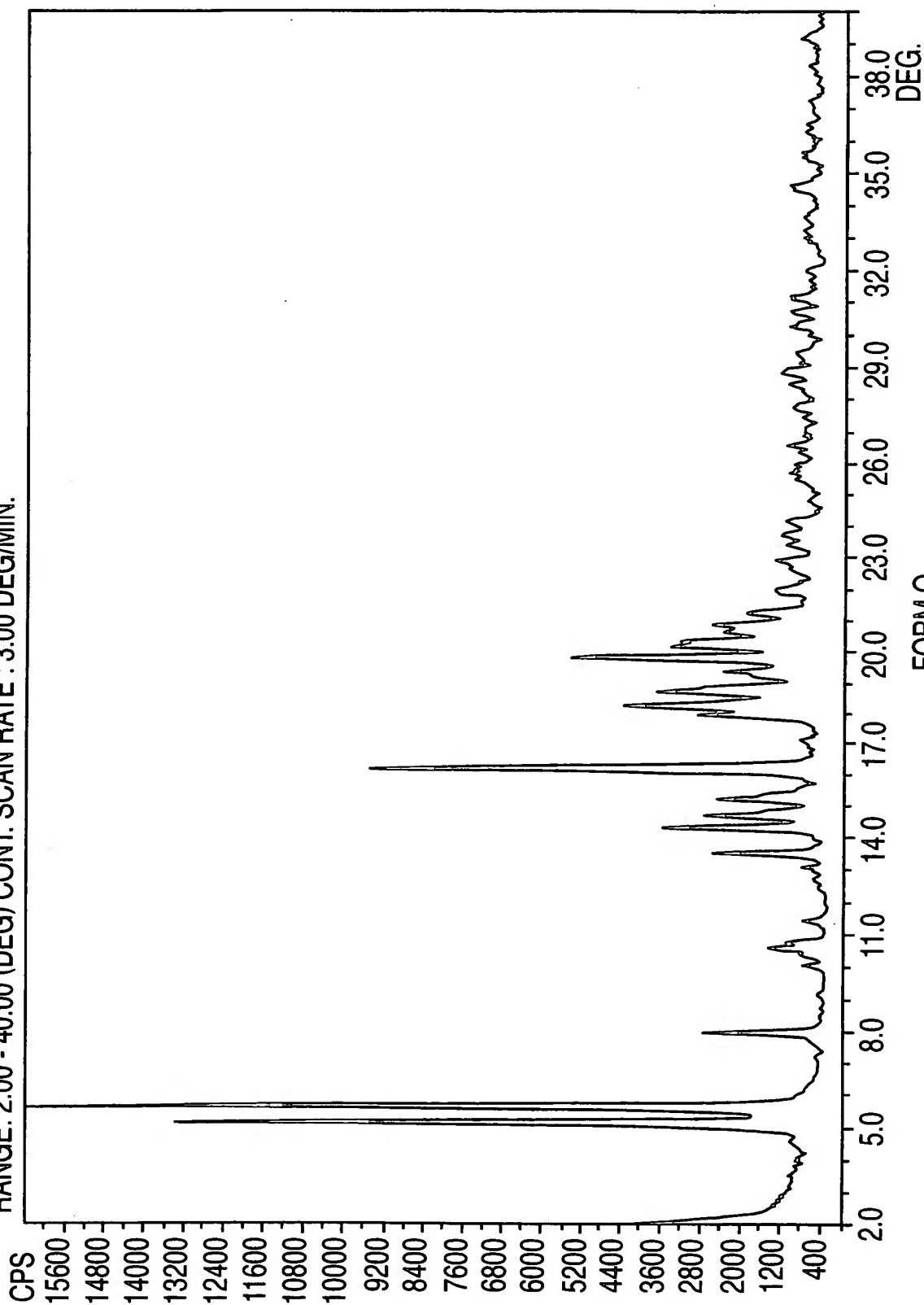
FORM O  
FIG. 13

STEP : 0.050° CNT TIME: 1.000 SEC.  
RANGE: 2.00 - 40.00 (DEG) CONT. SCAN RATE : 3.00 DEG/MIN.



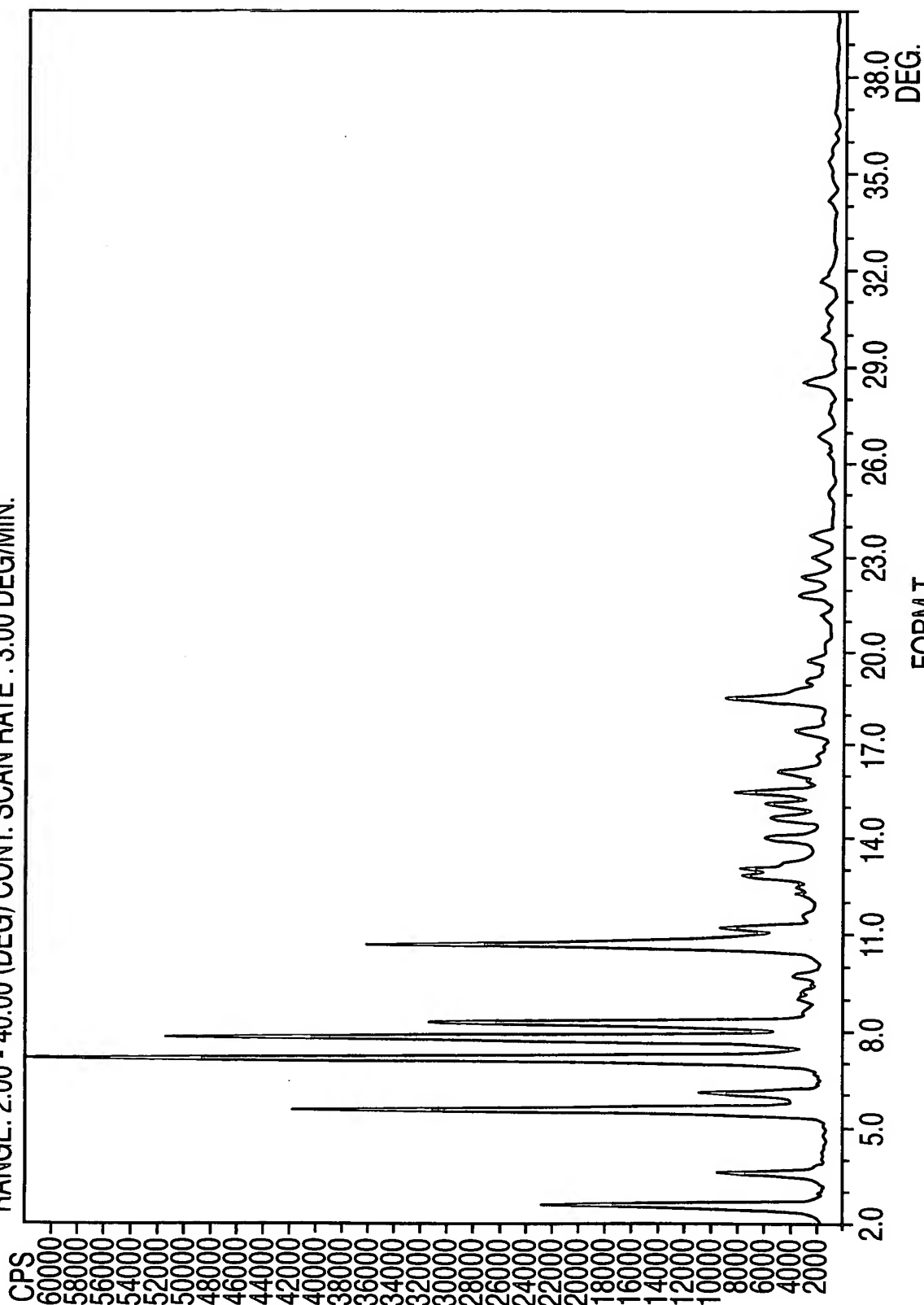
FORM P  
FIG. 14

STEP : 0.050° CNT TIME: 1.000 SEC.  
RANGE: 2.00 - 40.00 (DEG) CONT. SCAN RATE : 3.00 DEG/MIN.



FORM Q  
FIG. 15

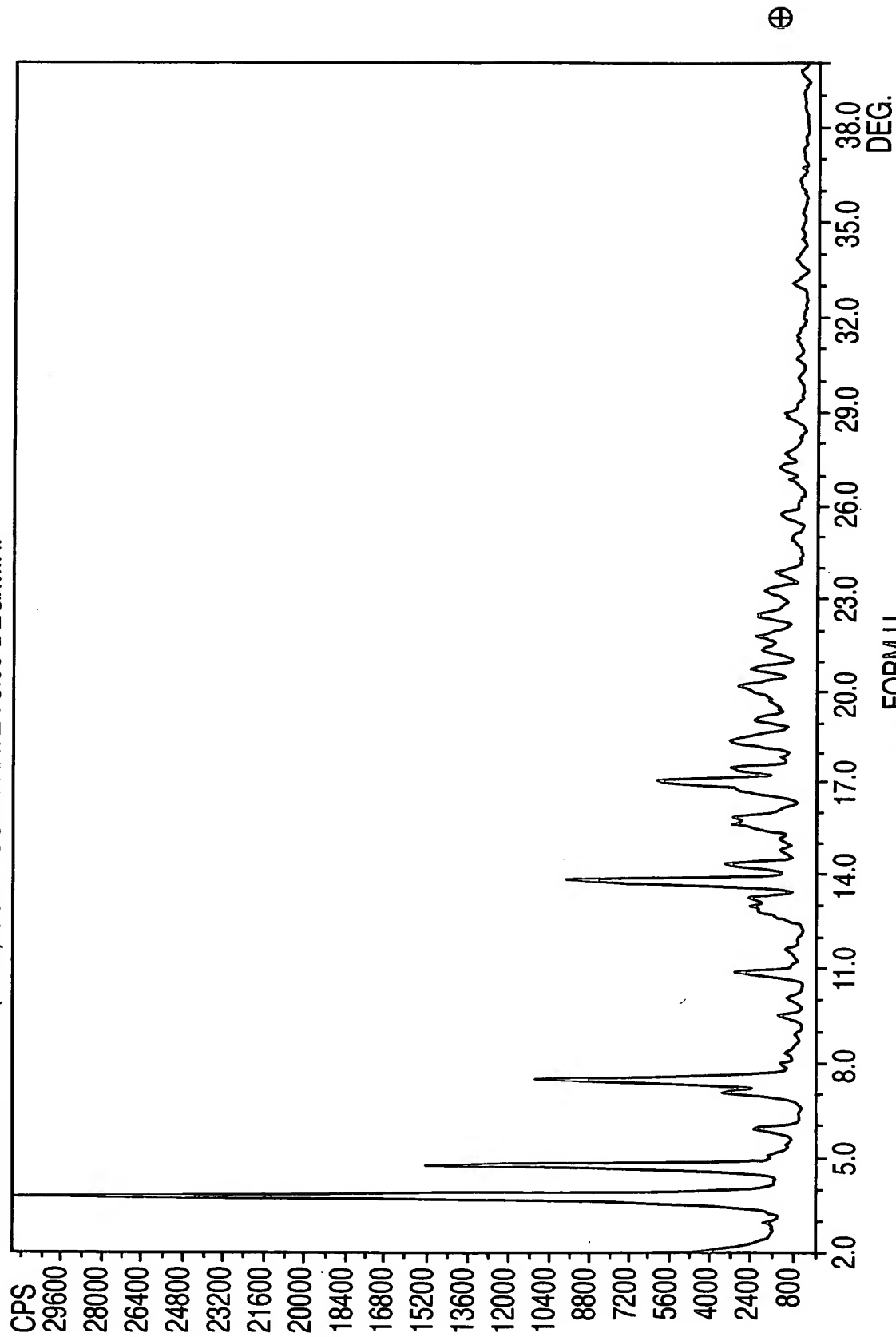
STEP : 0.050° CNT TIME: 1.000 SEC.  
RANGE: 2.00 - 40.00 (DEG) CONT. SCAN RATE : 3.00 DEG/MIN.



FORM T  
FIG. 16

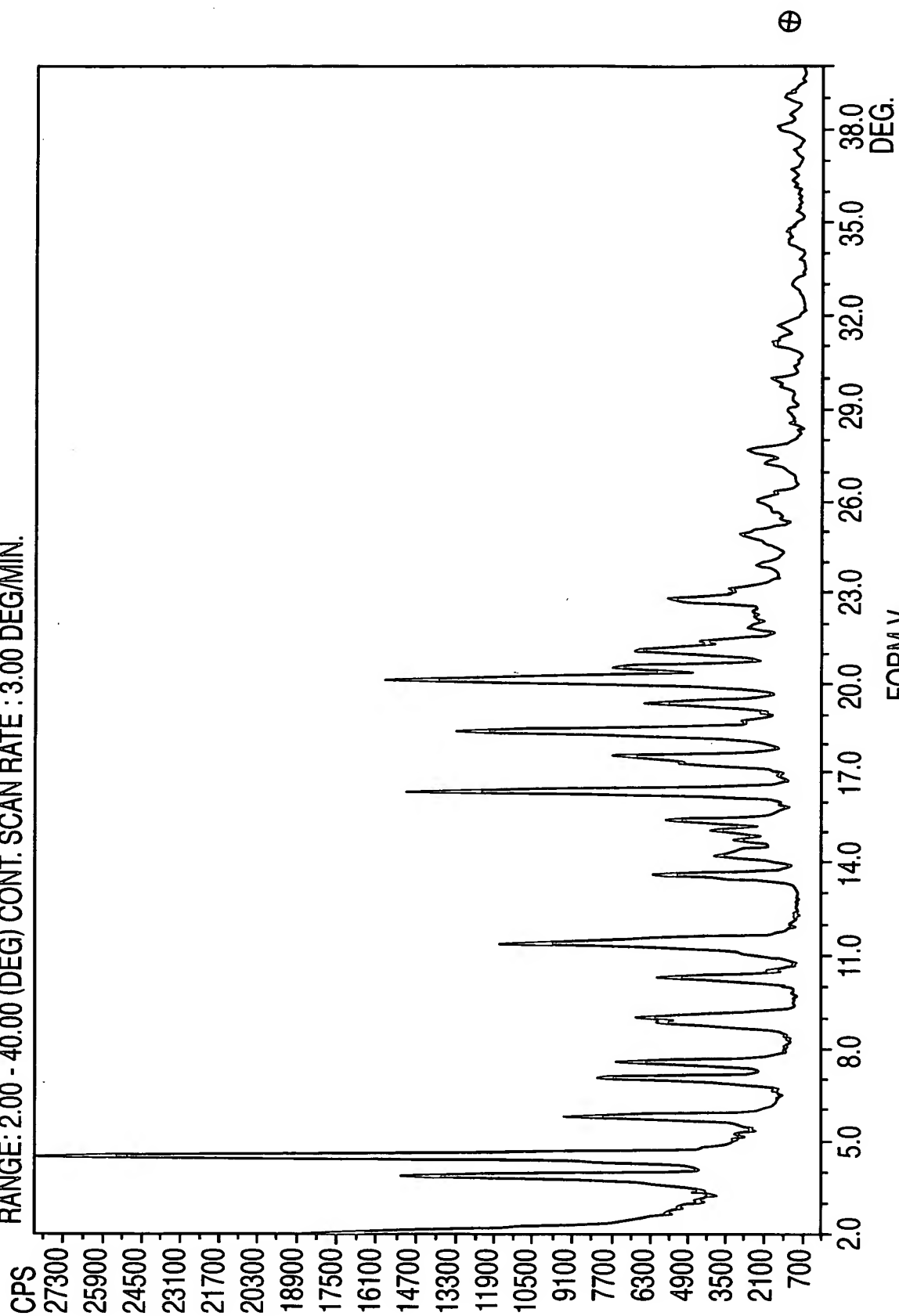


STEP : 0.050° CNT TIME: 1.000 SEC.  
RANGE: 2.00 - 40.00 (DEG) CONT. SCAN RATE : 3.00 DEG/MIN.



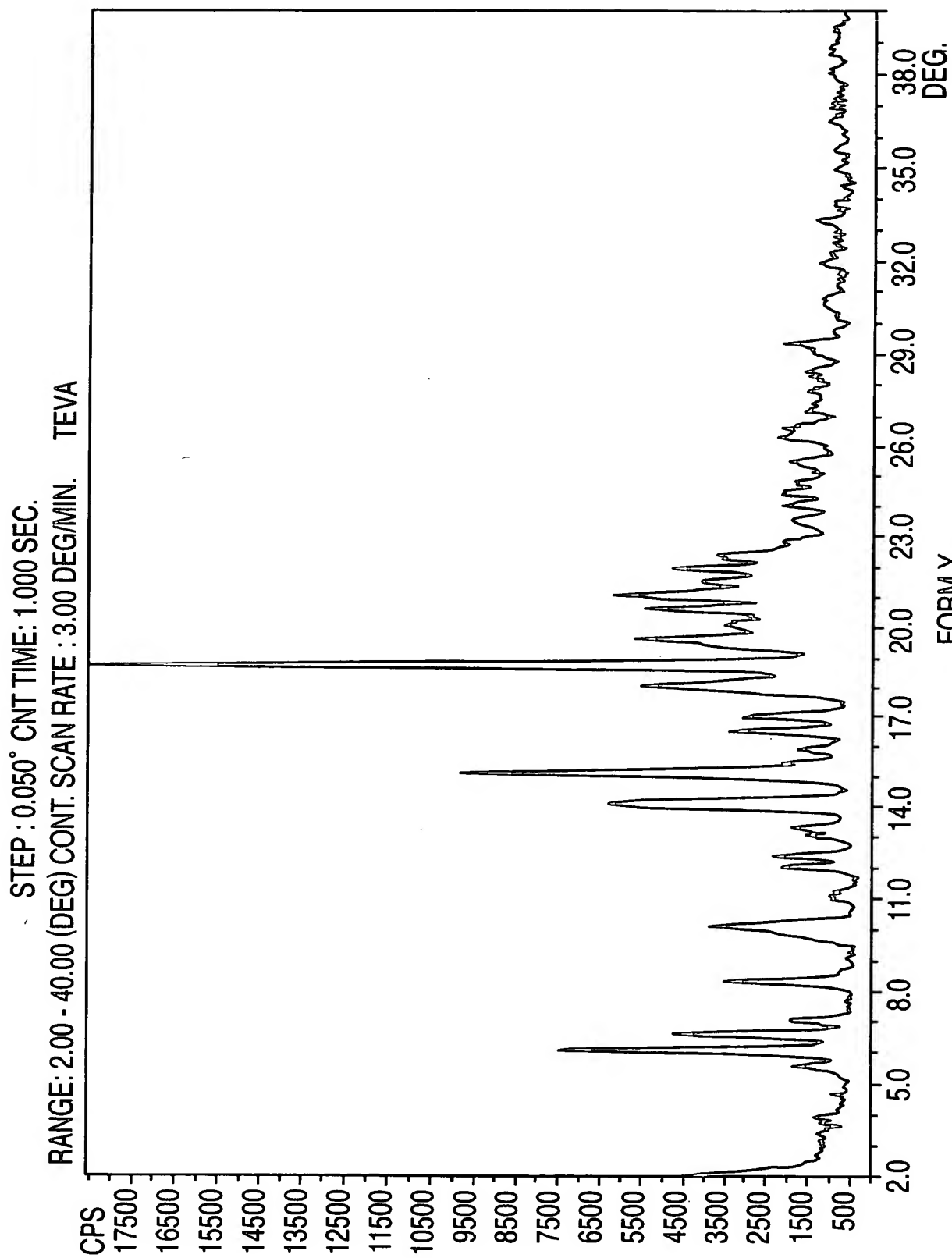
FORM U  
FIG. 17

STEP : 0.050° CNT TIME: 1.000 SEC.  
RANGE: 2.00 - 40.00 (DEG) CONT. SCAN RATE : 3.00 DEG/MIN.



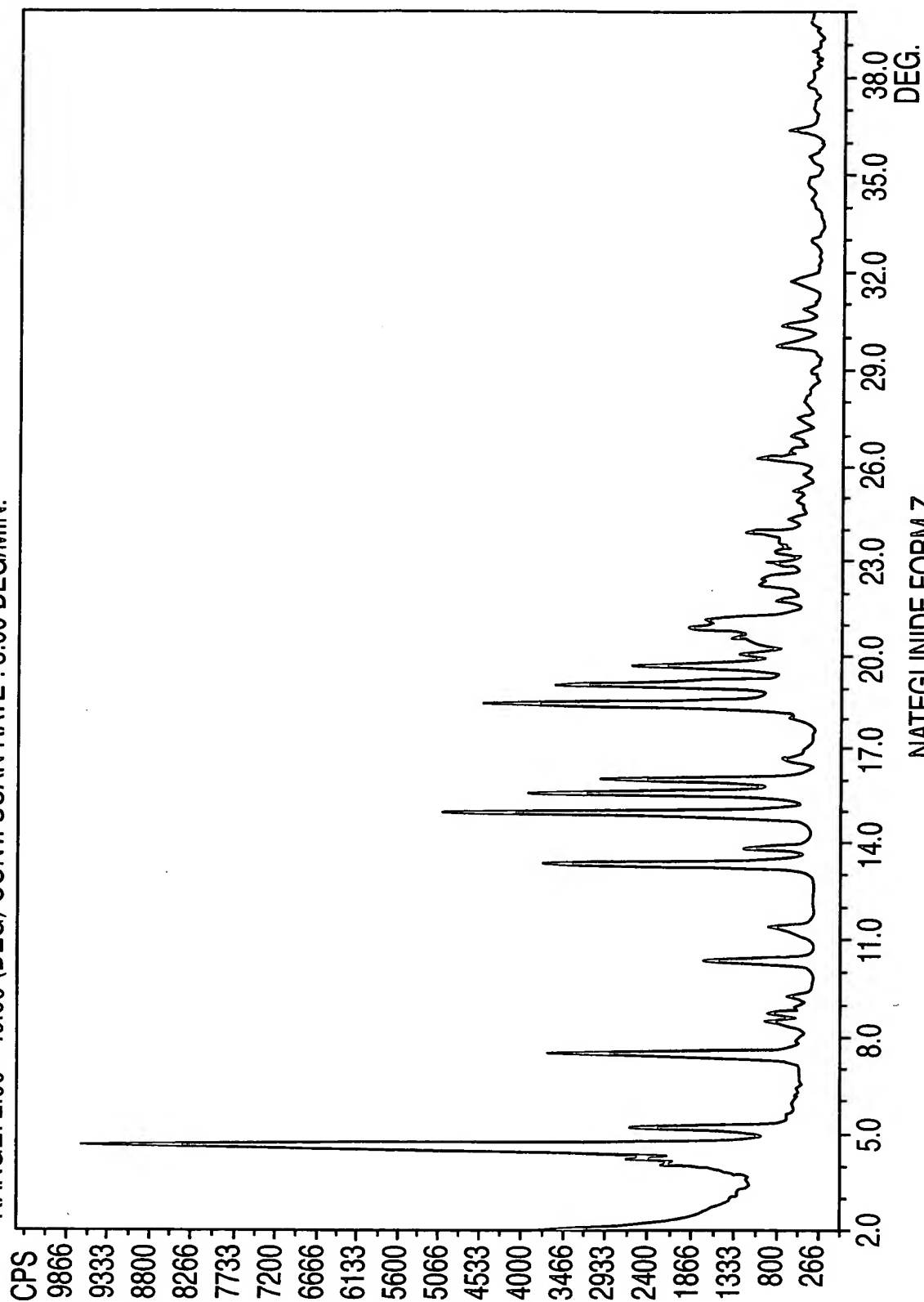
FORM V  
FIG. 18

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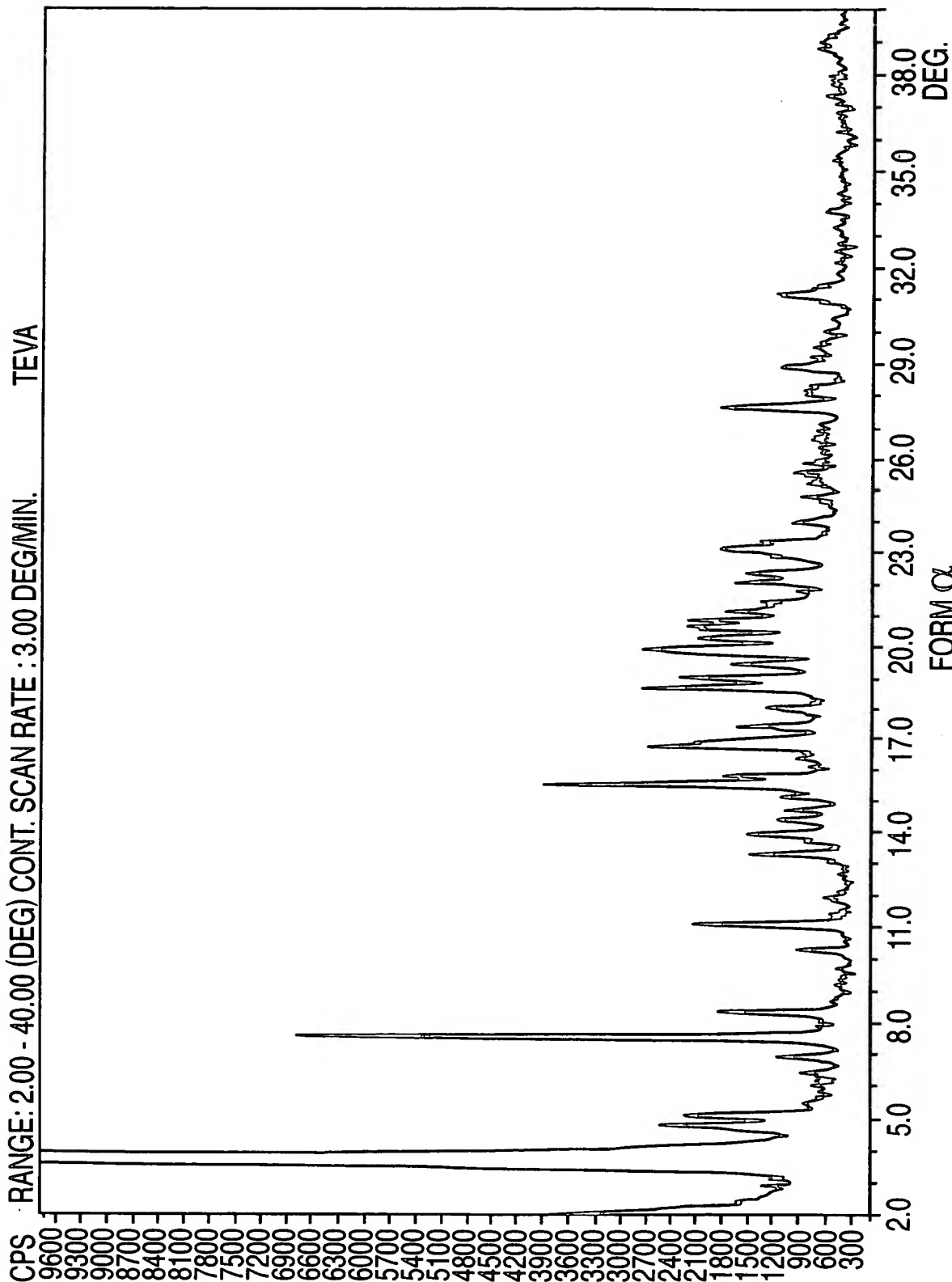
FORM Y  
FIG. 19

STEP : 0.050° CNT TIME: 1.000 SEC.  
RANGE: 2.00 - 40.00 (DEG) CONT. SCAN RATE : 3.00 DEG/MIN.

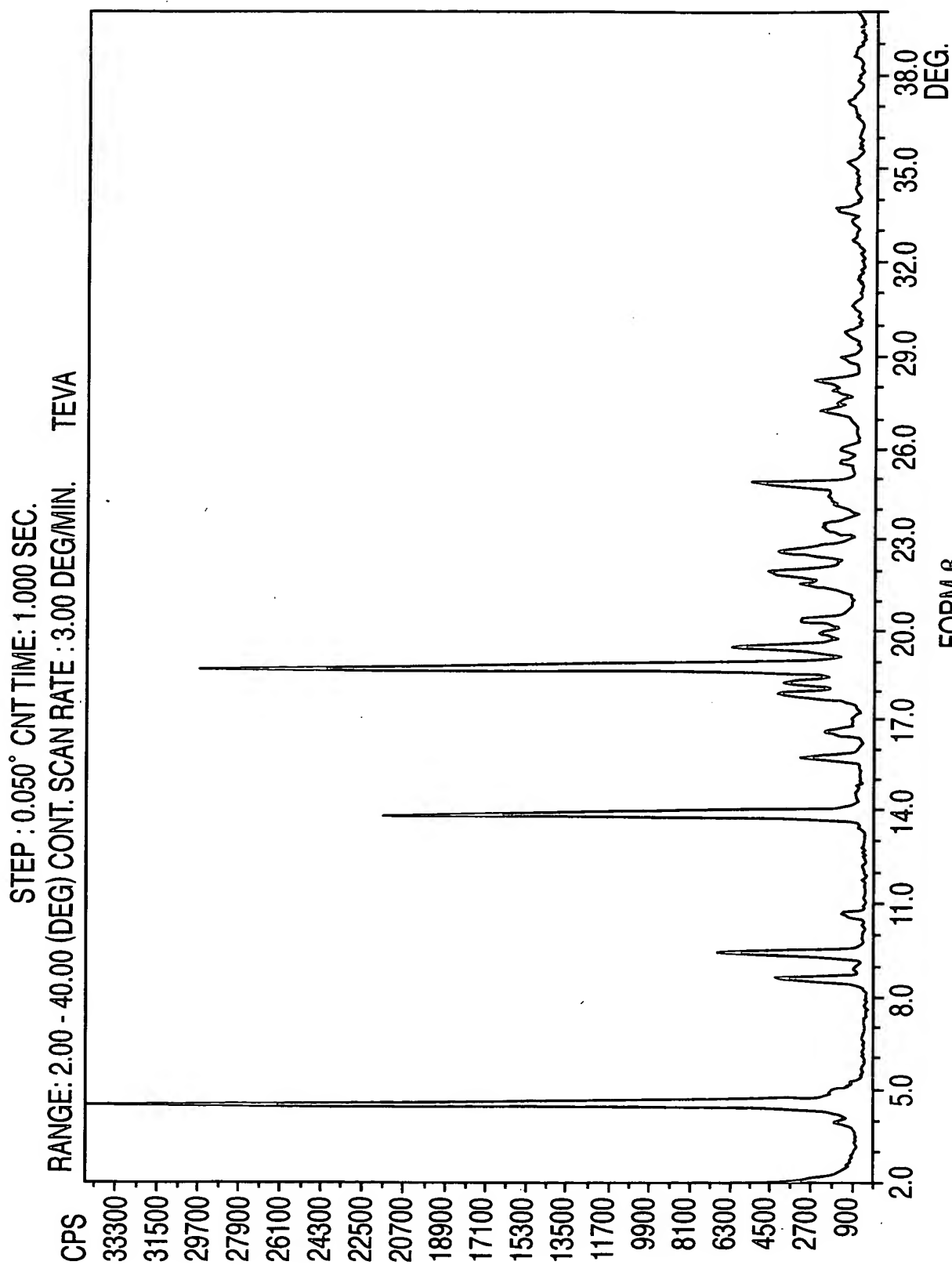


NATEGLINIDE FORM Z  
FIG. 20

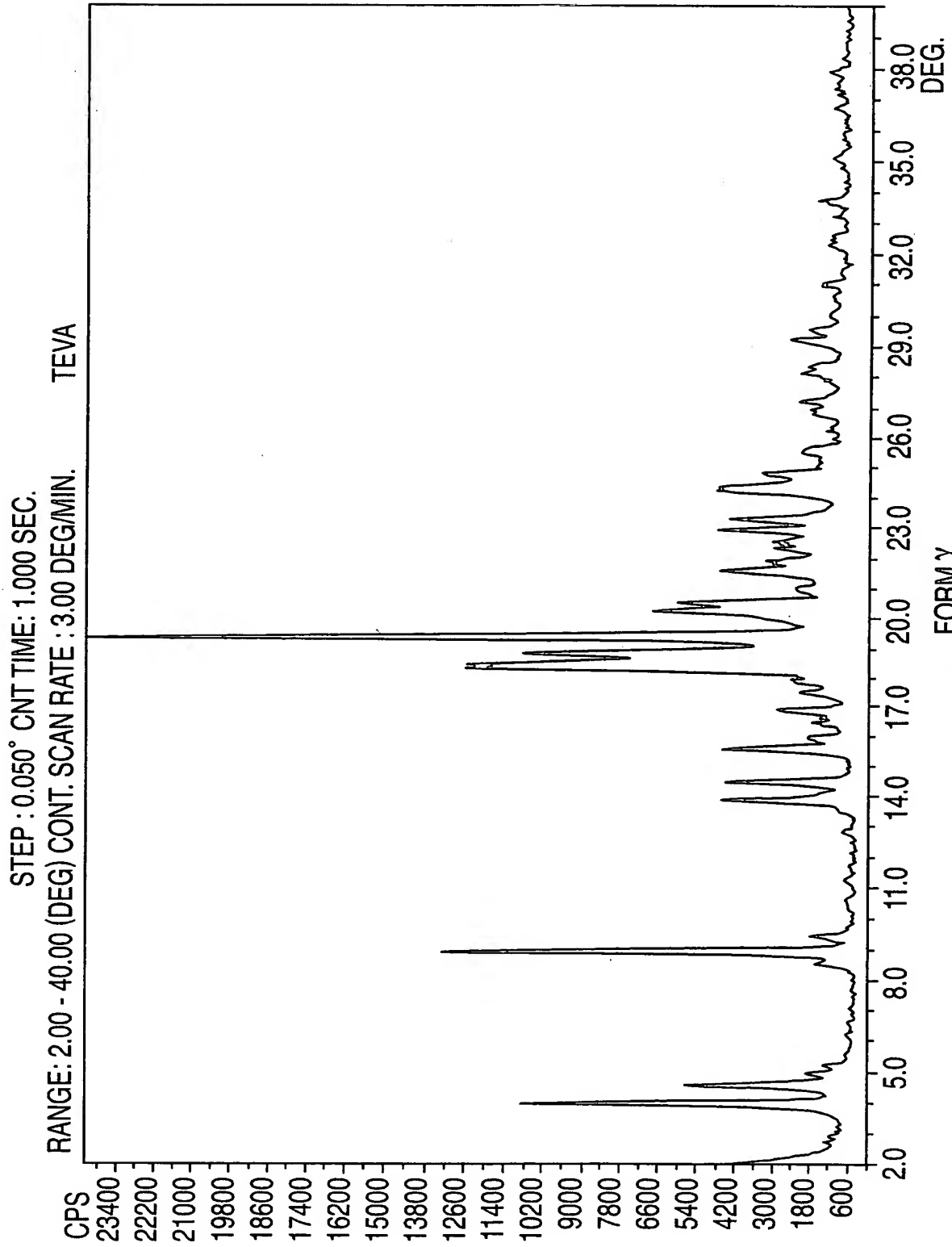
STEP : 0.050° CNT TIME: 1.000 SEC.  
RANGE: 2.00 - 40.00 (DEG) CONT. SCAN RATE : 3.00 DEG/MIN. TEVA



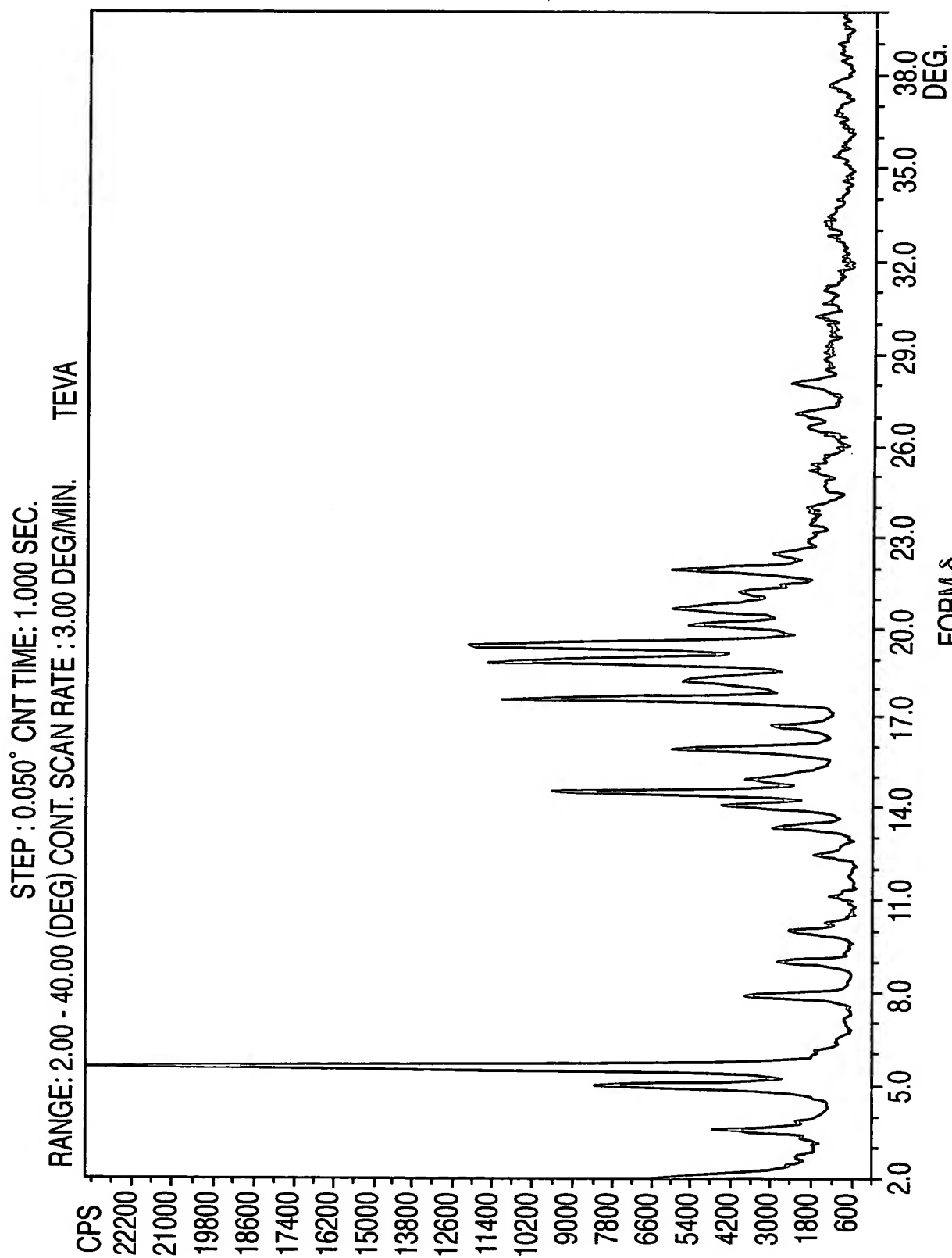
FORM α  
FIG. 21



FORM  $\beta$   
FIG. 22



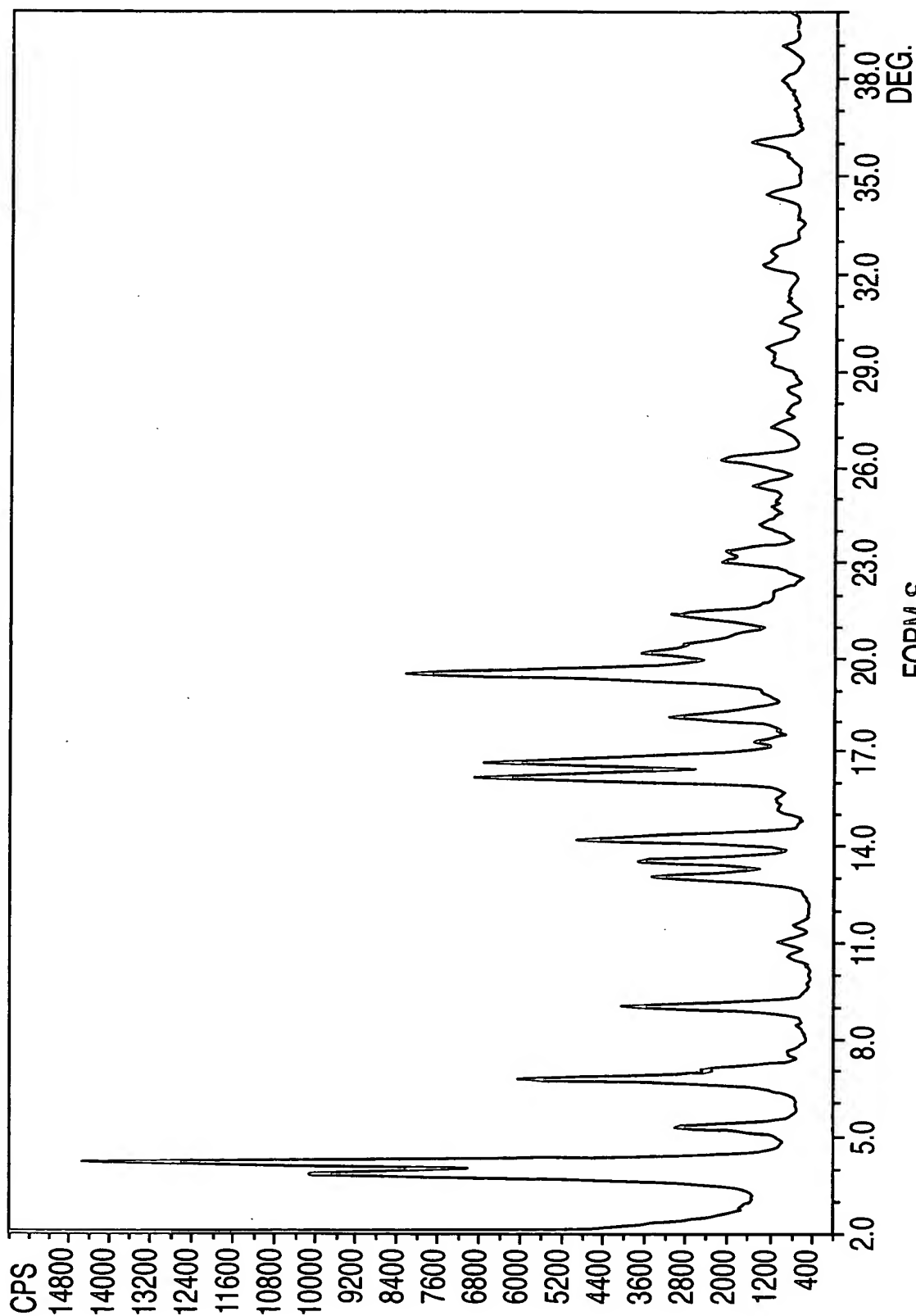
FORM Y  
FIG. 23



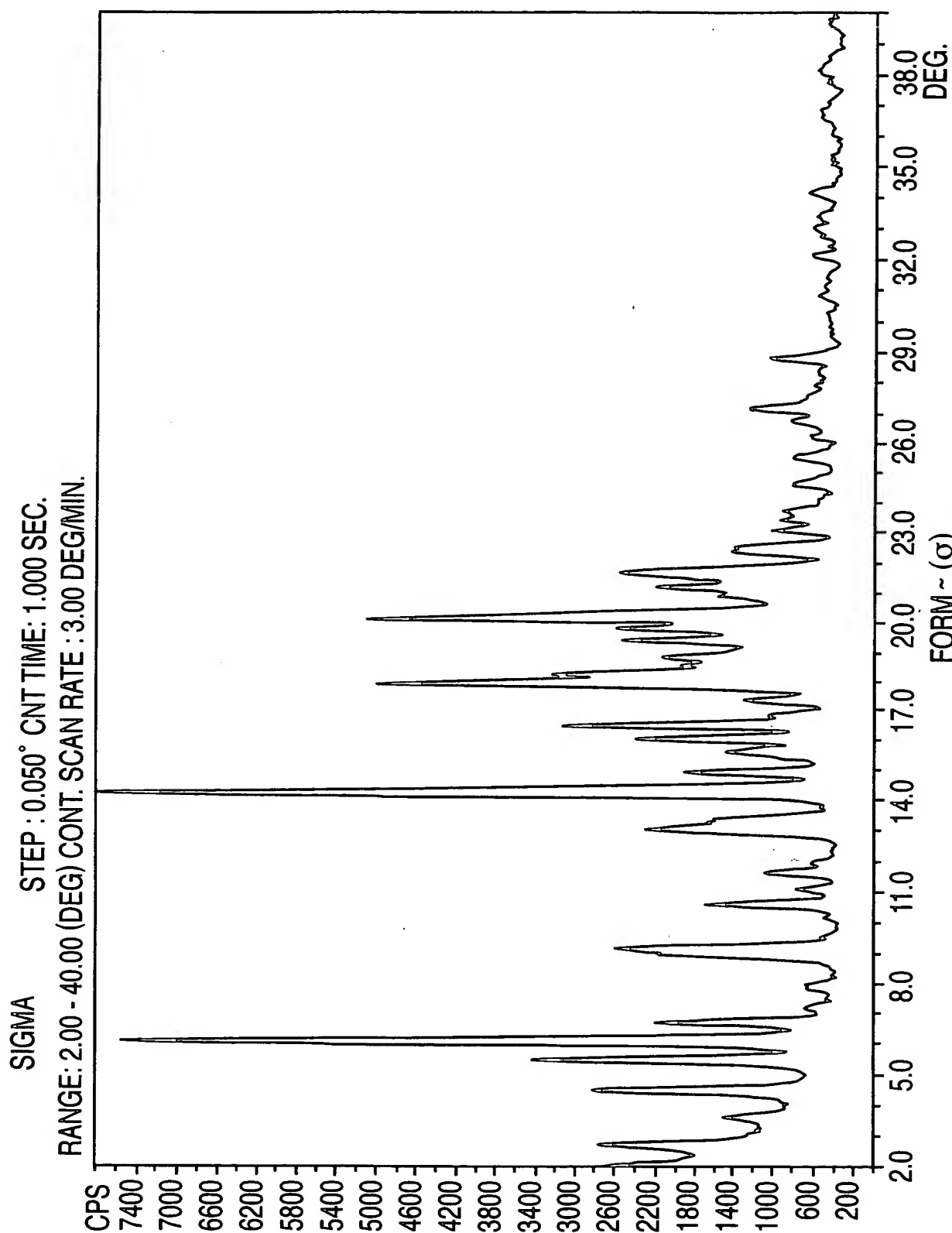
FORM δ  
FIG. 24



STEP : 0.050° CNT TIME: 1.000 SEC.  
RANGE: 2.00 - 40.00 (DEG) CONT. SCAN RATE : 3.00 DEG/MIN. TEVA



FORM E  
FIG. 25



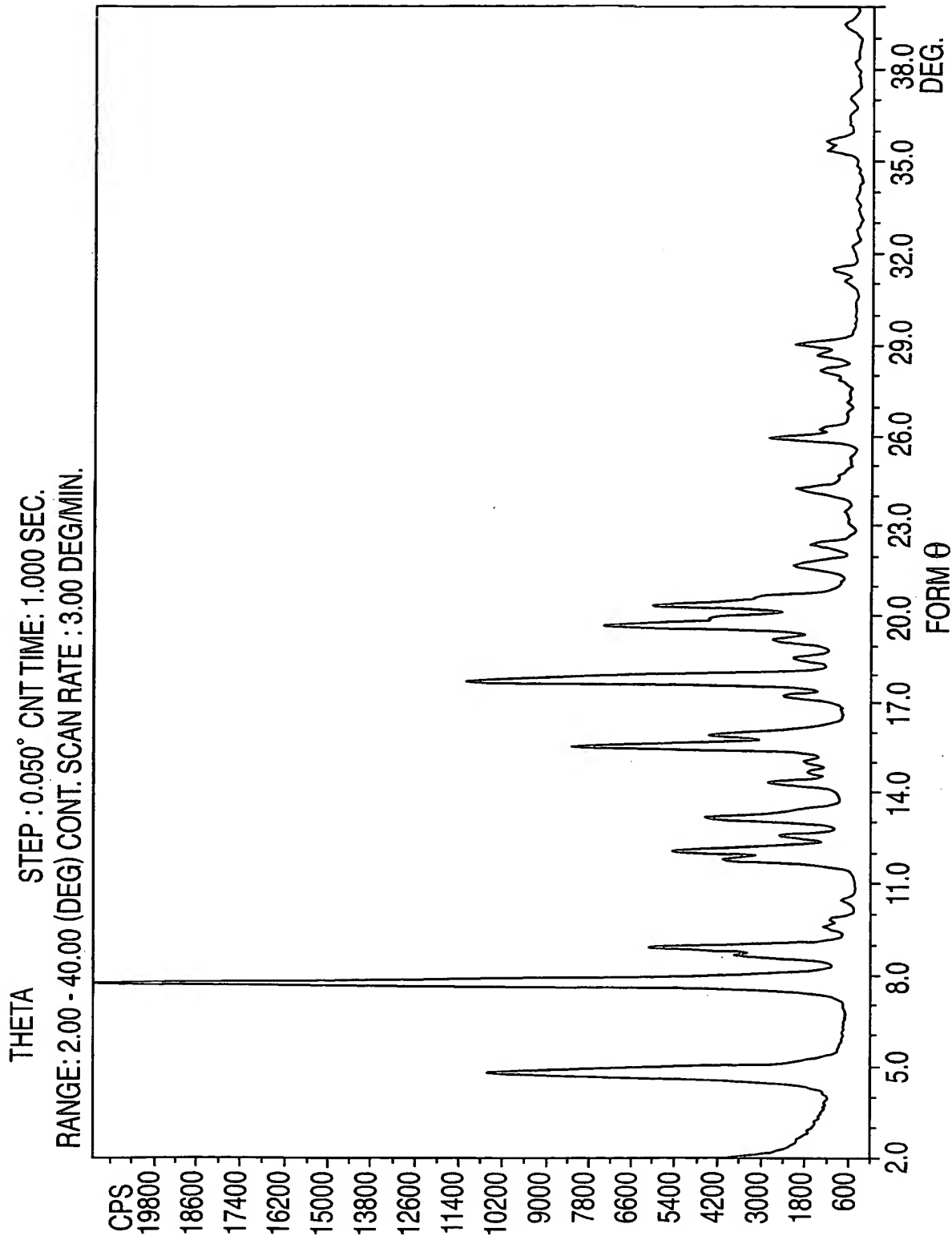
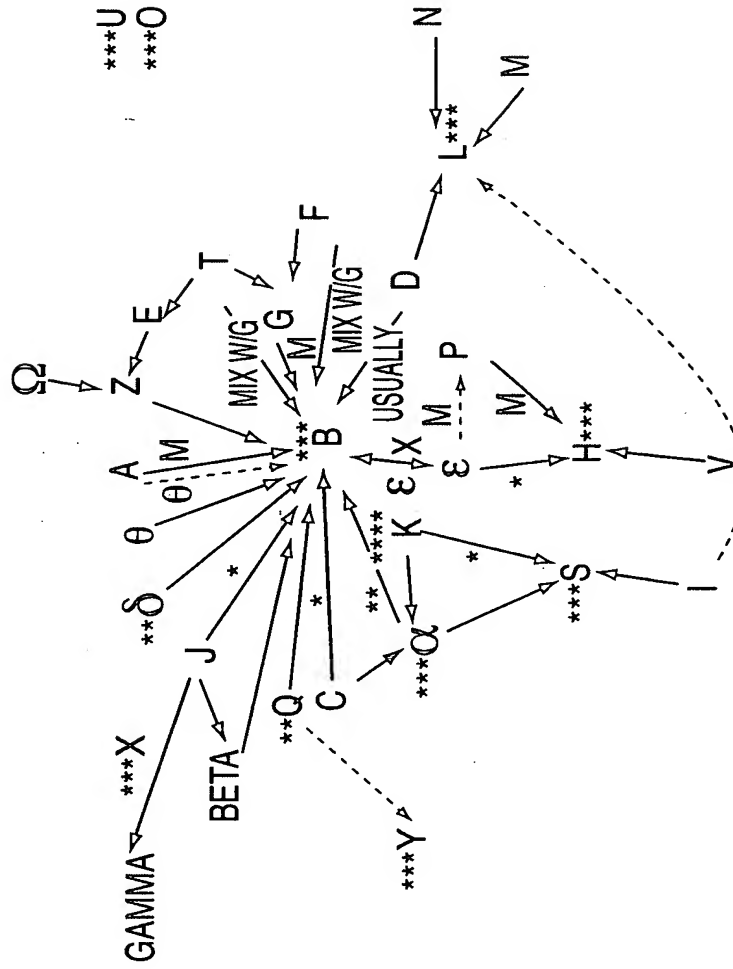


FIG. 27



\* TRANSFORMATION MAY PROCEED THROUGH ANOTHER TERM.

\*\* THERMALLY STABLE AT LOWER HEATING TEMPERATURES (~50°C).

\*\*\* THERMALLY STABLE FORMS.

---> TRANSFORMATION AFTER STORAGE AT ROOM TEMPERATURE.

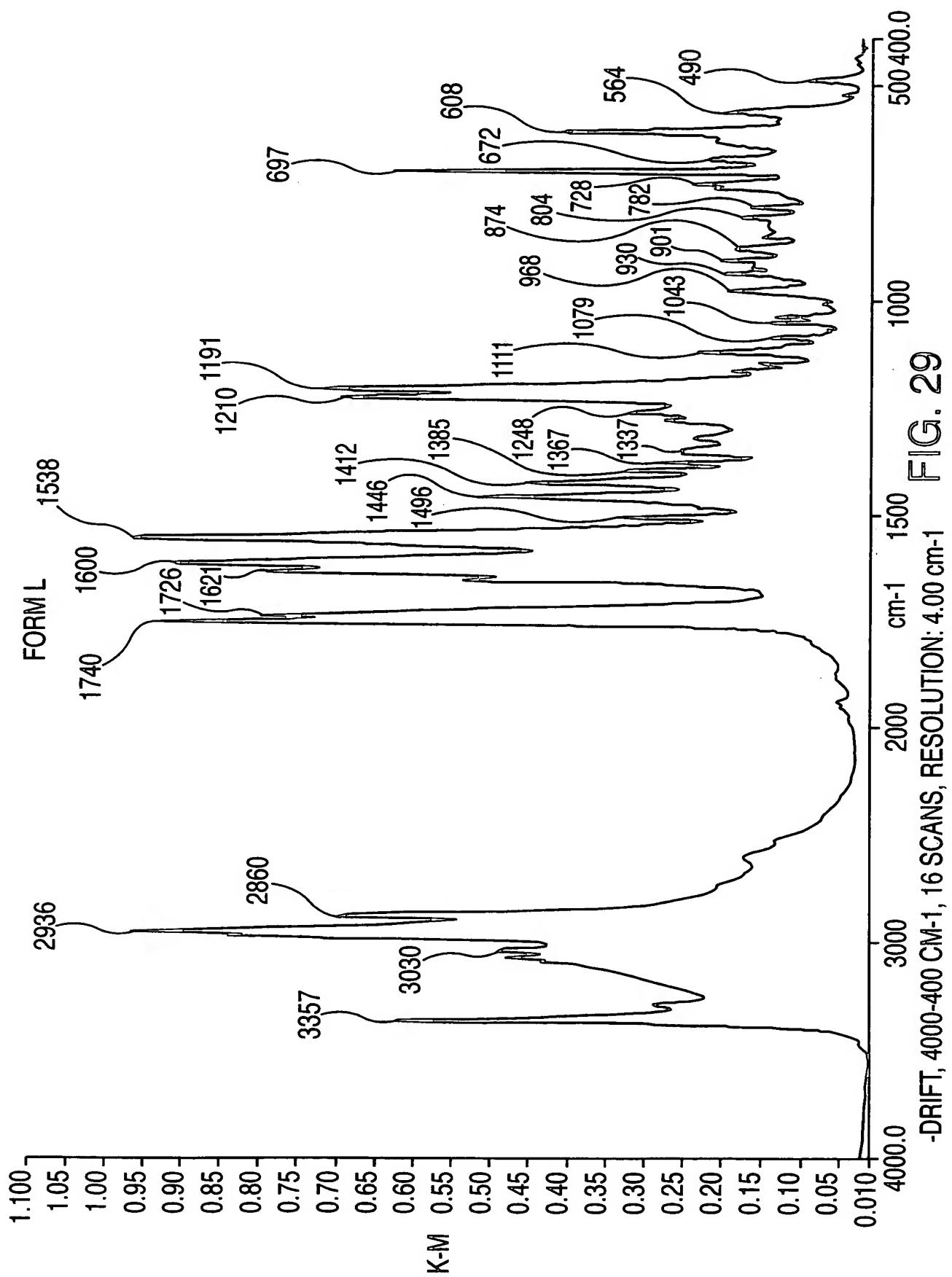
m MIXTURE WITH STARTING FORM.

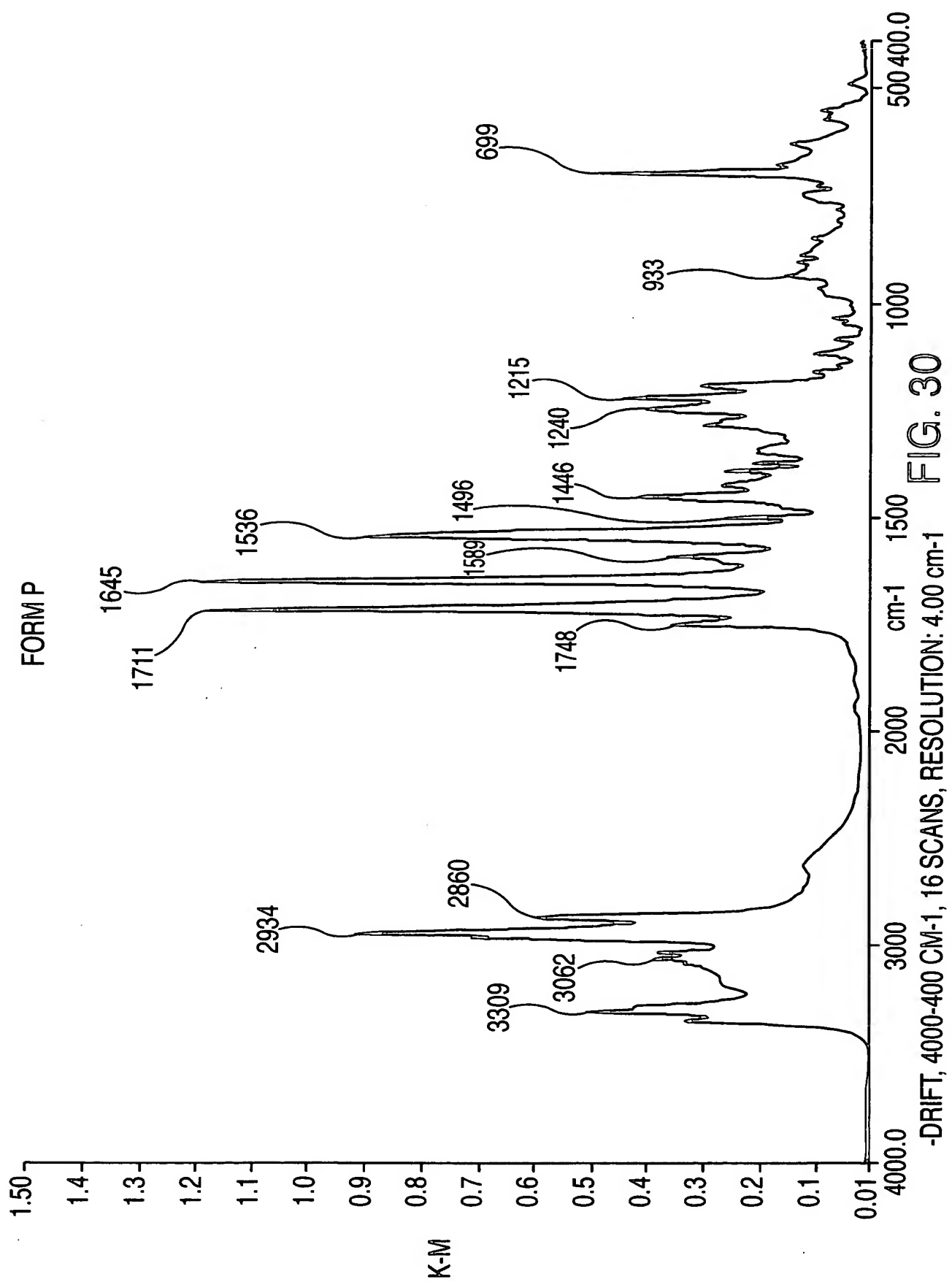
\*\*\*\* WHEN STARTING MATERIAL CONTAINS SEEDS.

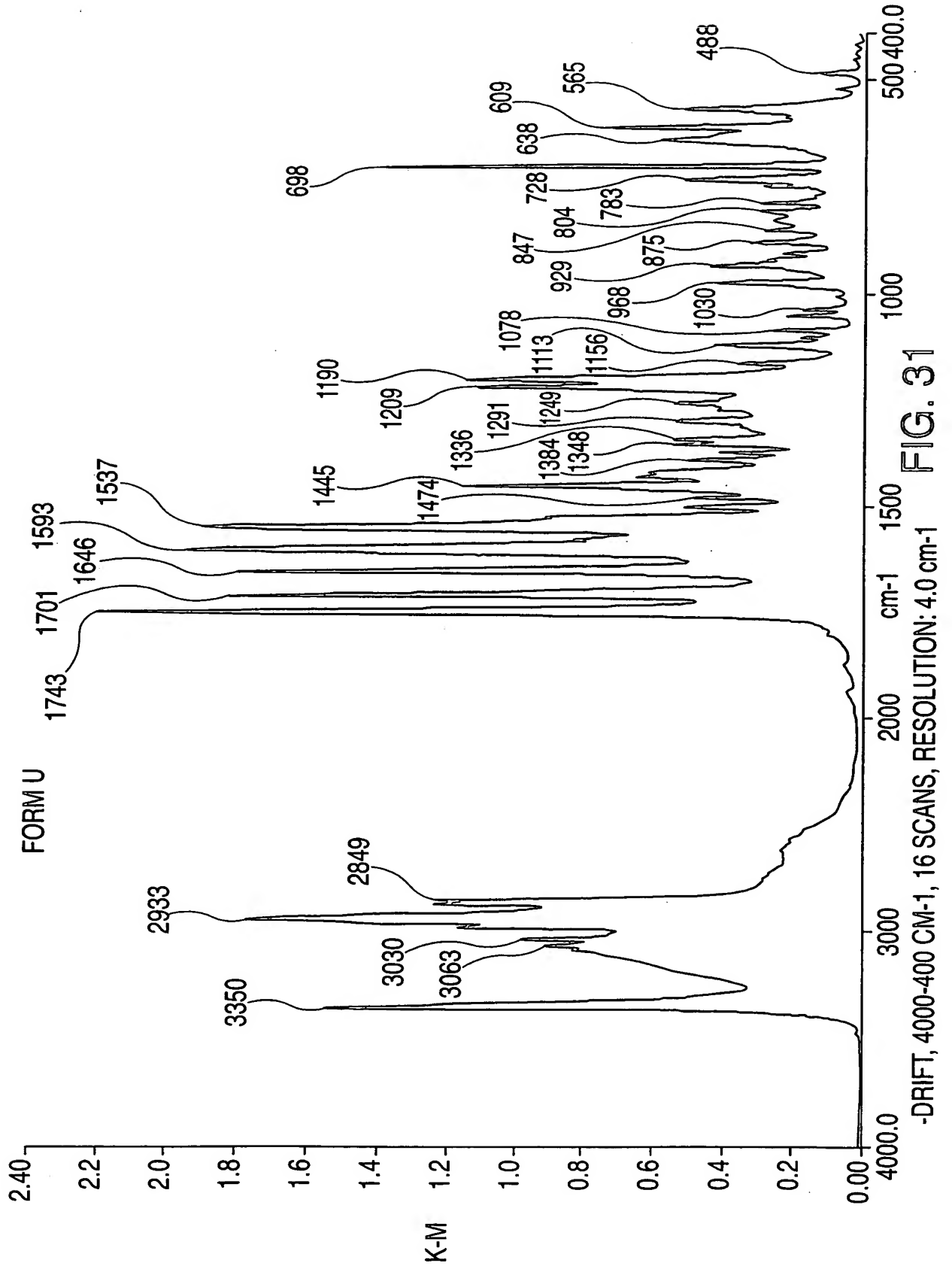
sol RESULTS MIGHT VARY DEPENDING ON THE SOLVATE OF FORM EPSILON USED.

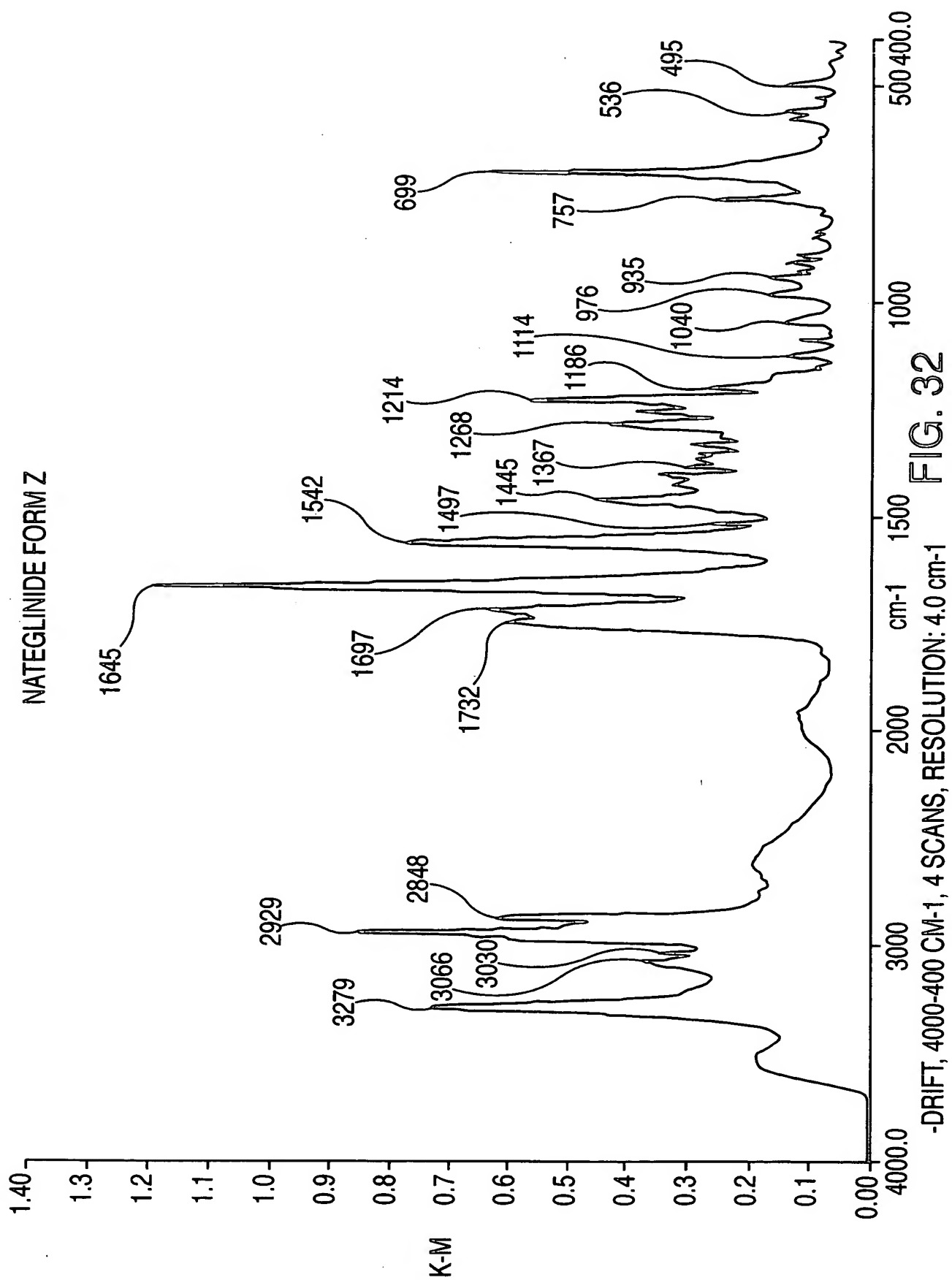
THERMAL STABILITY CHART

FIG. 28

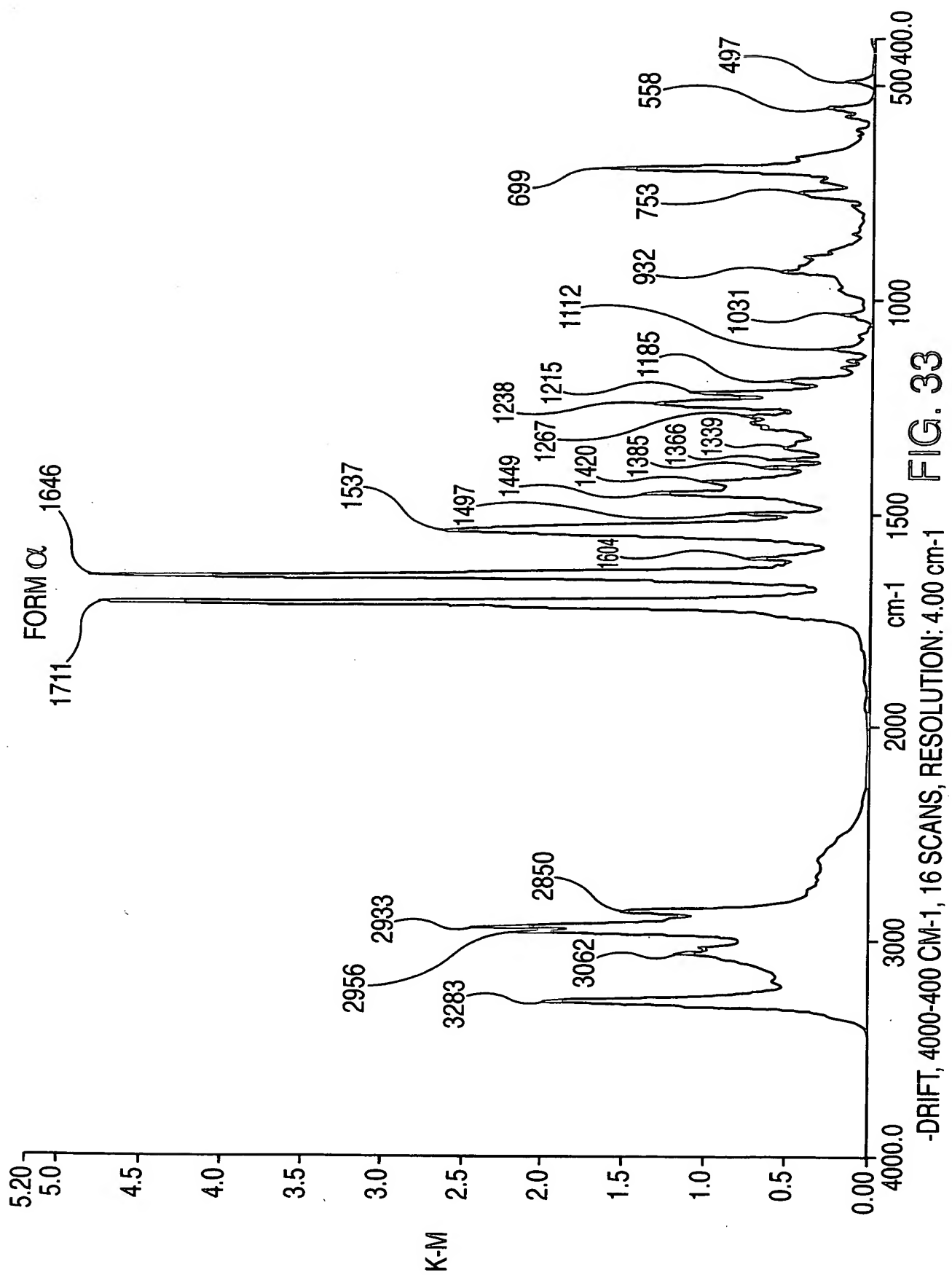


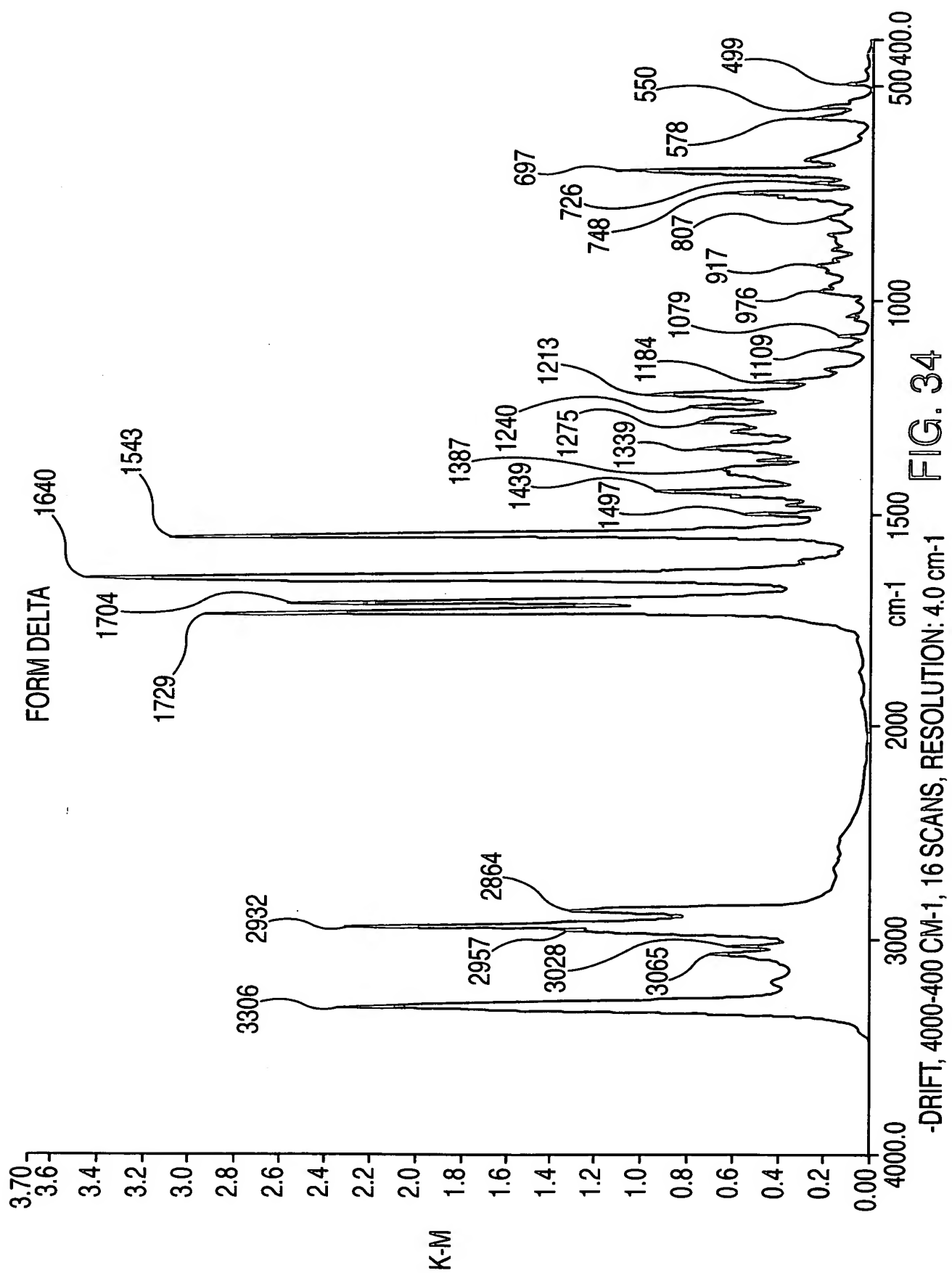


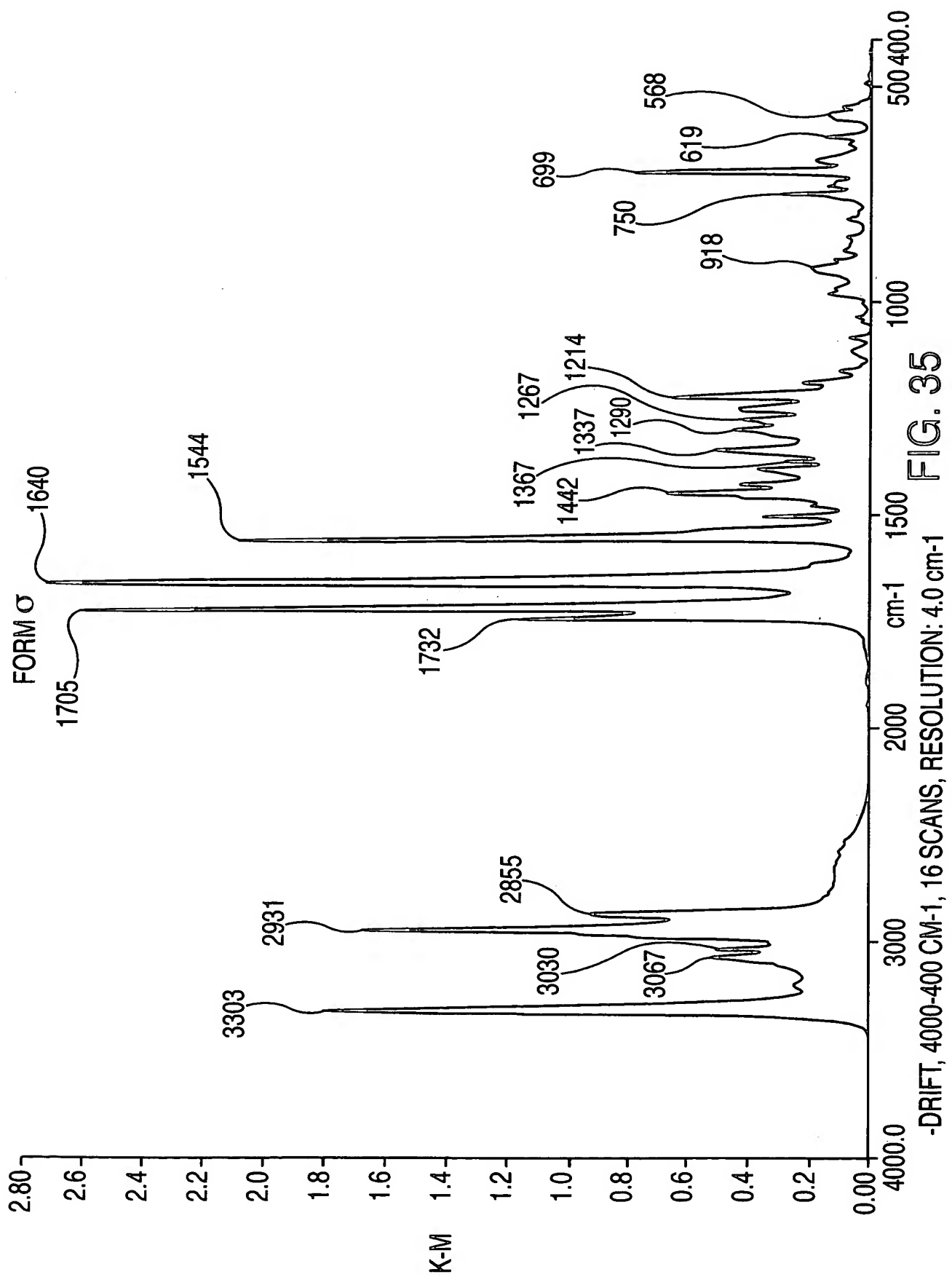


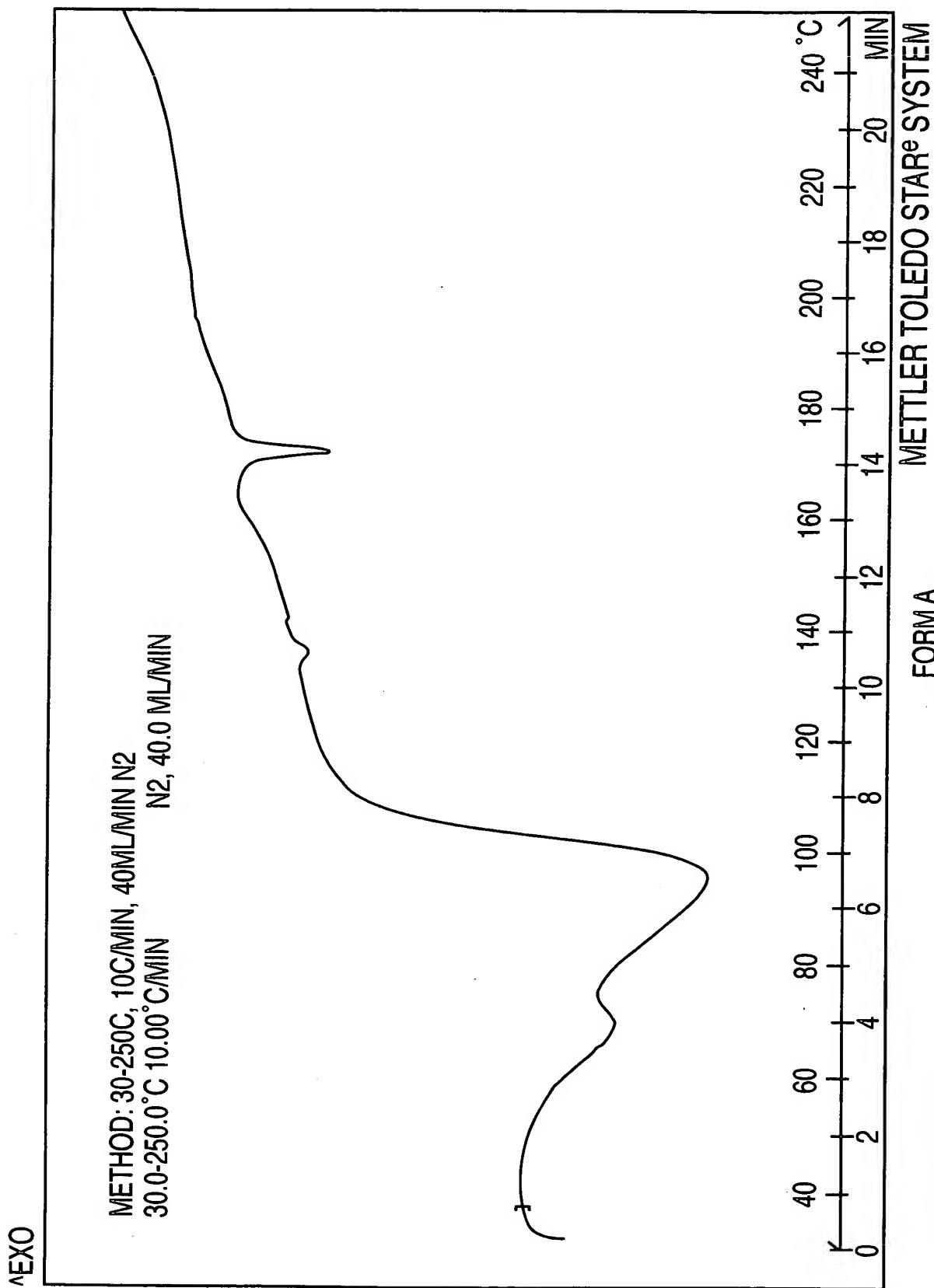












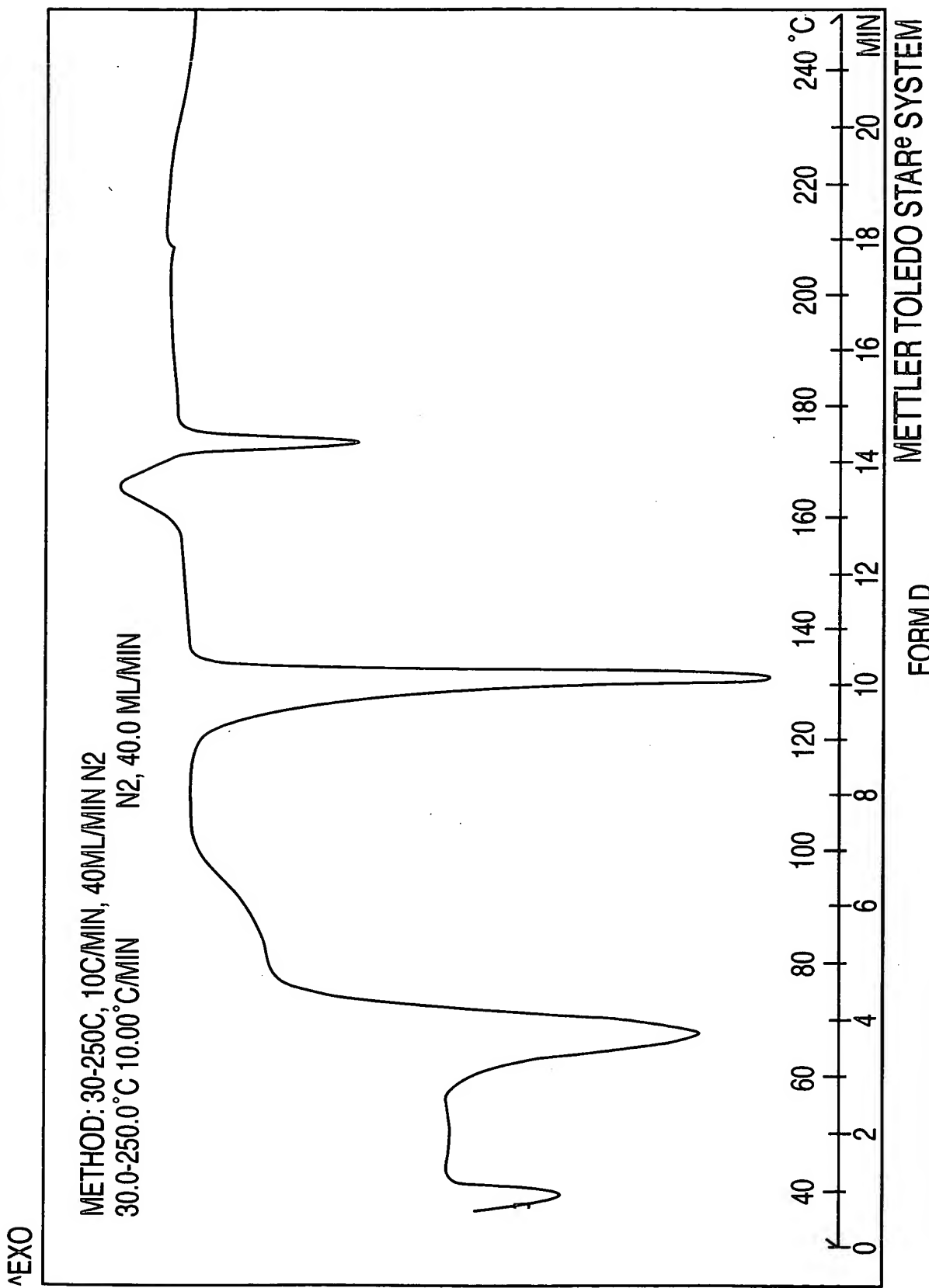


FIG. 37

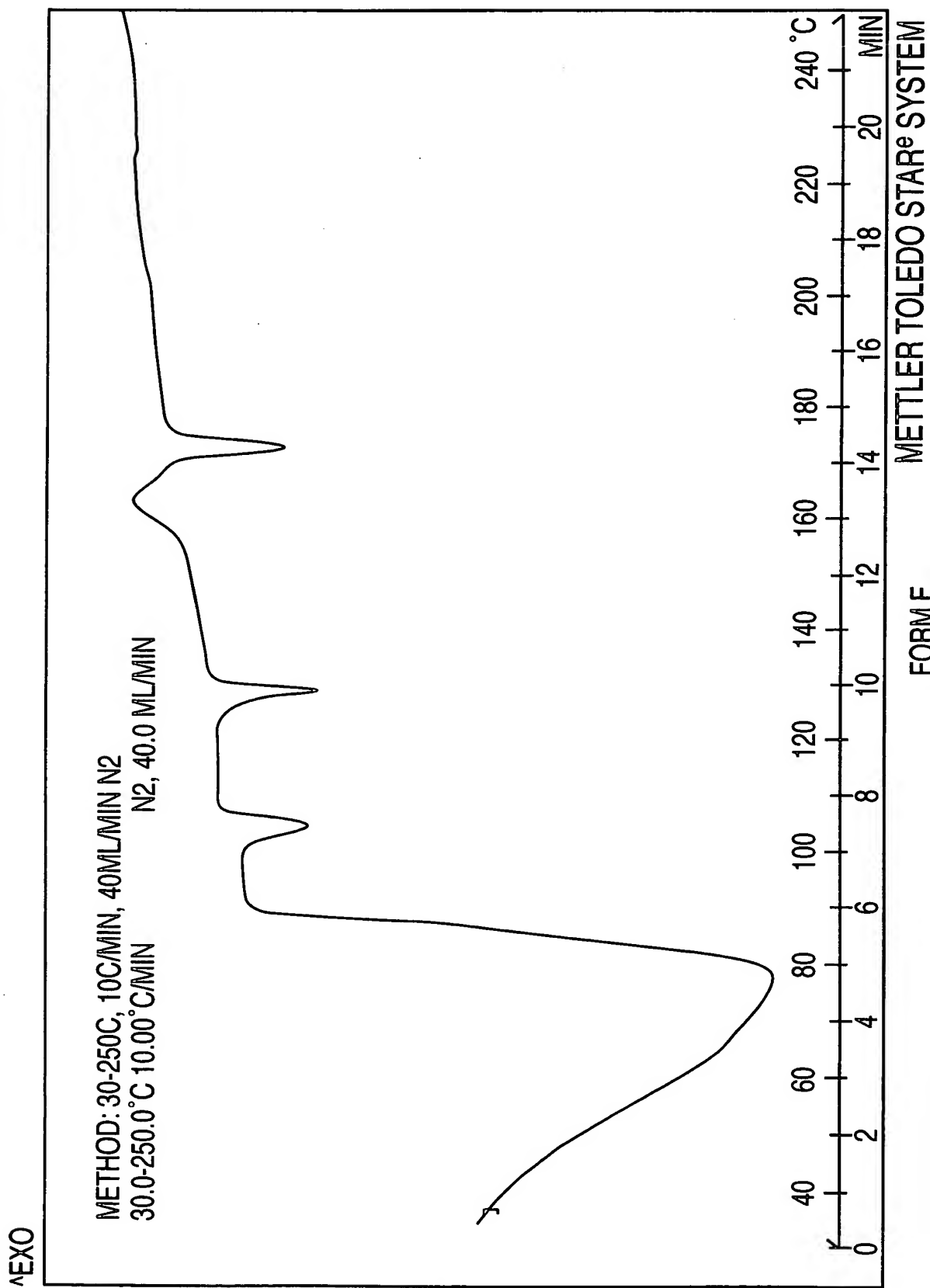


FIG. 38

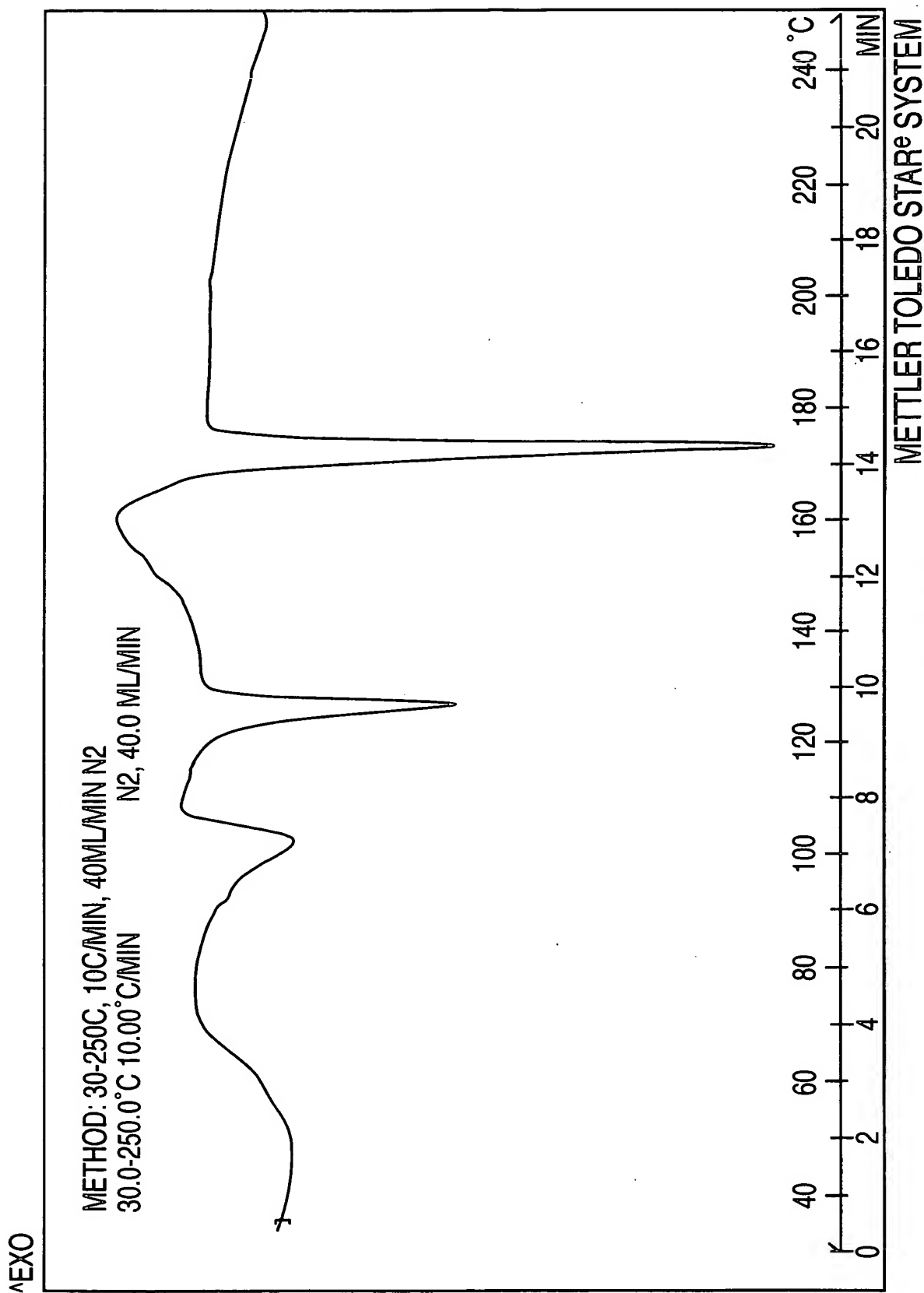


FIG. 39

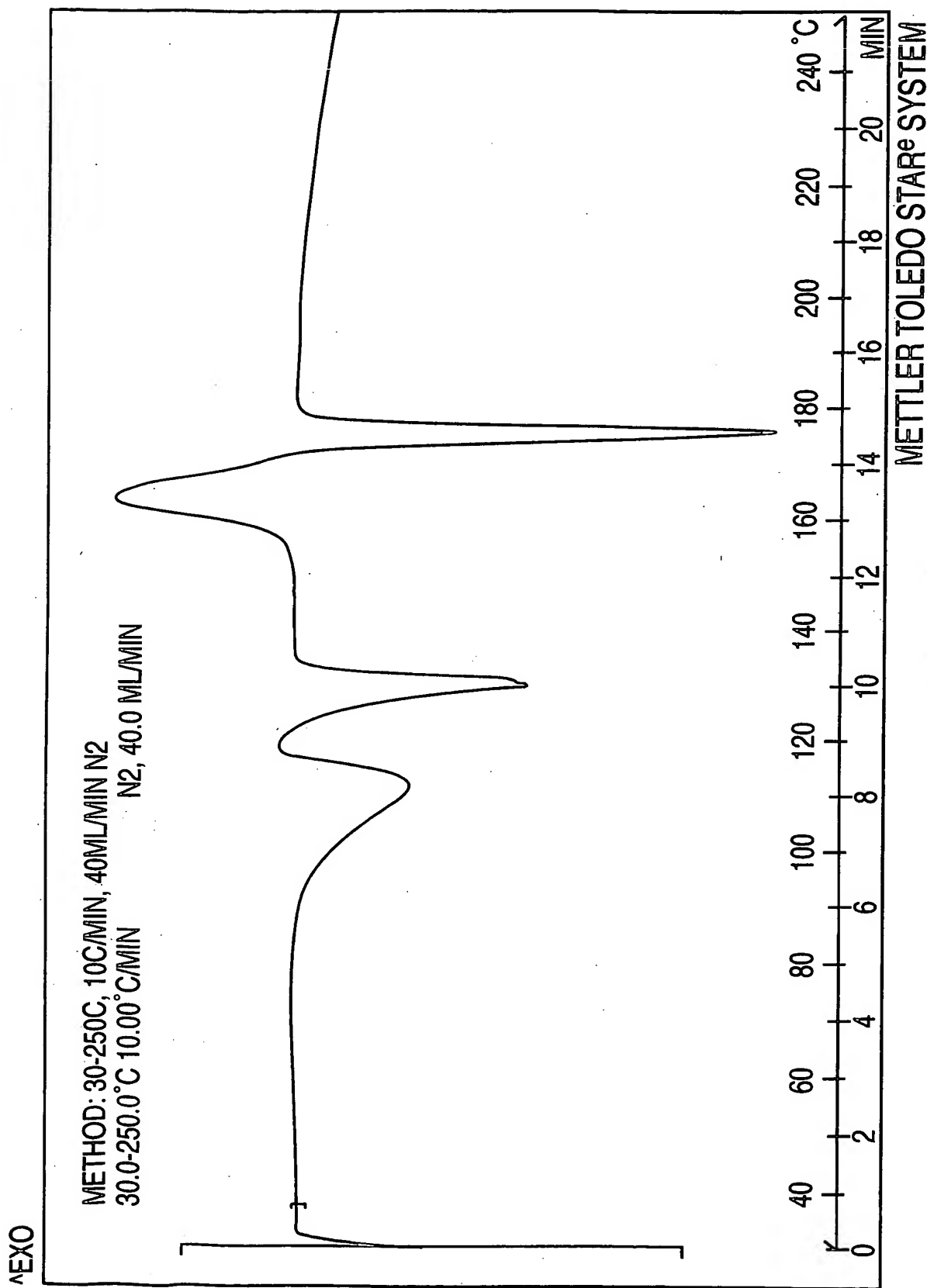


FIG. 40



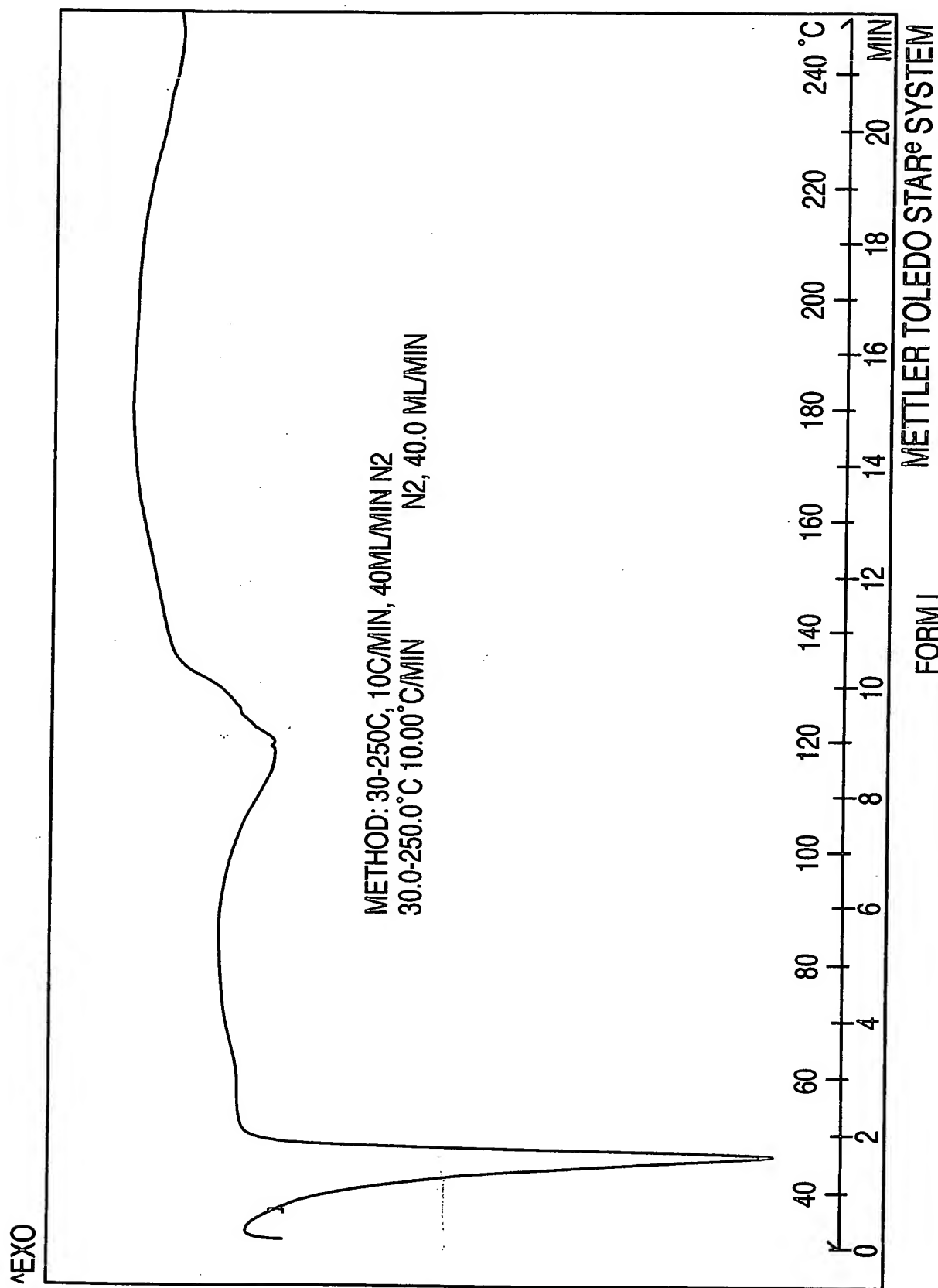


FIG. 41

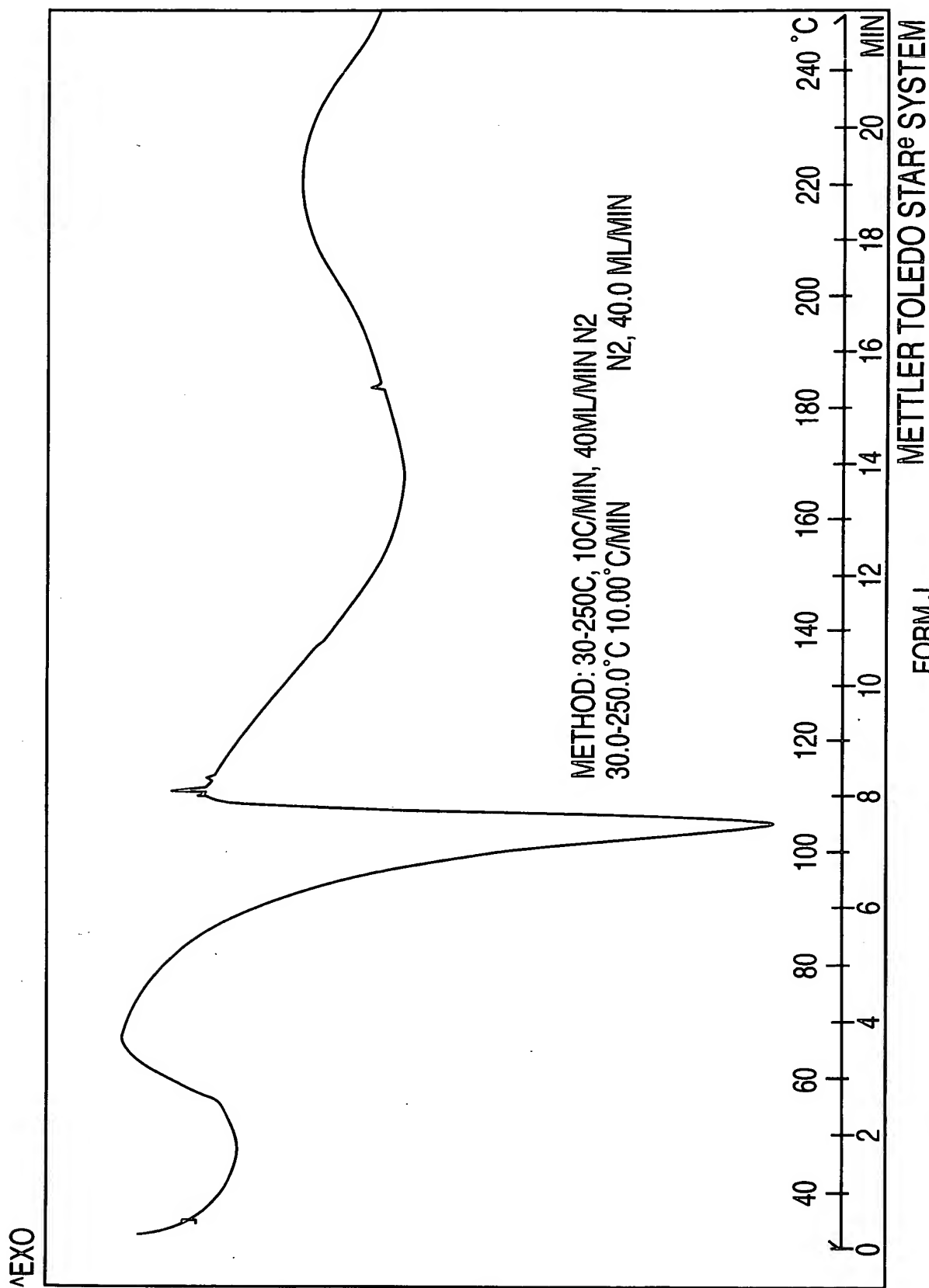
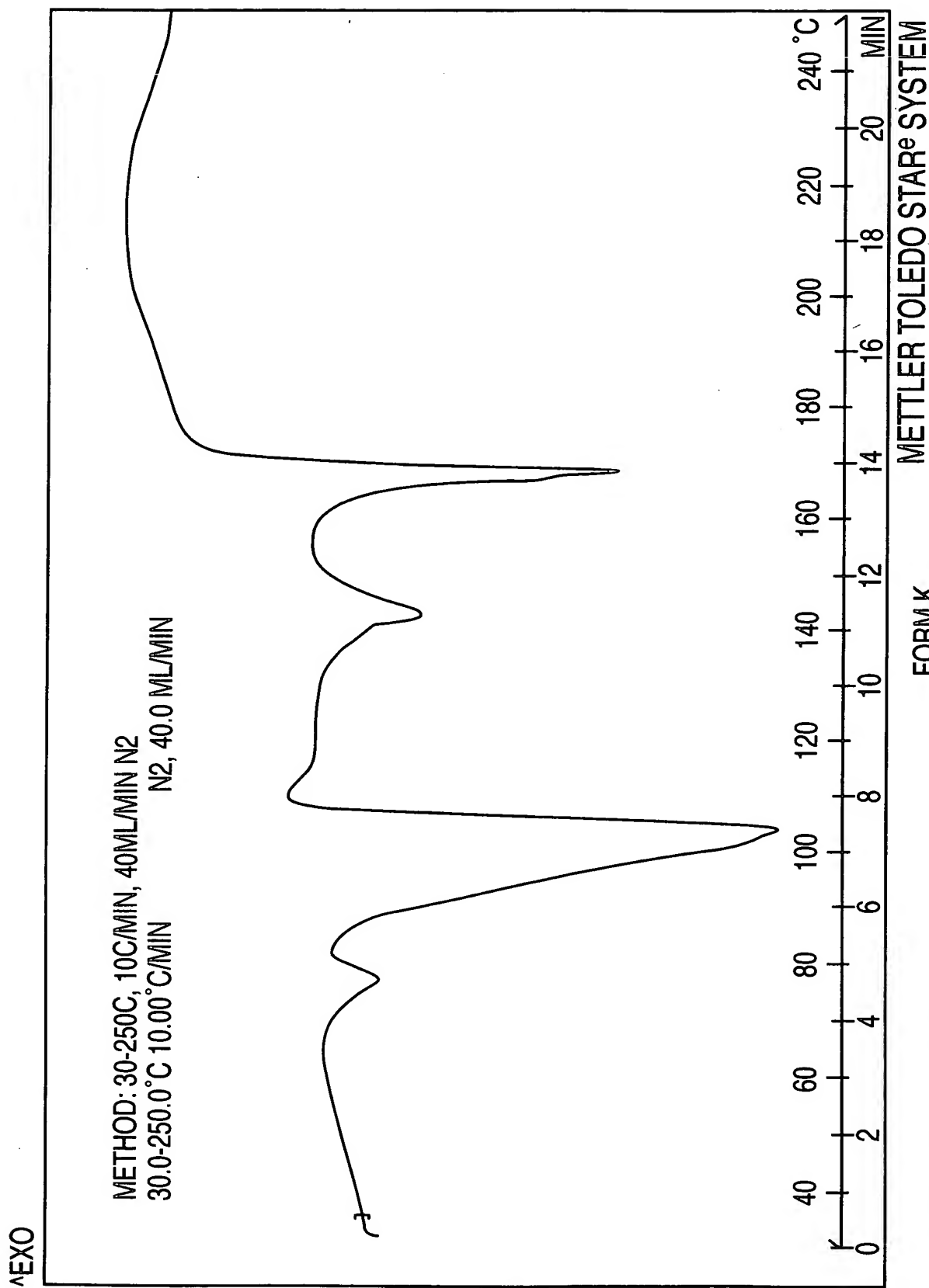


FIG. 42



FORM K  
FIG. 43

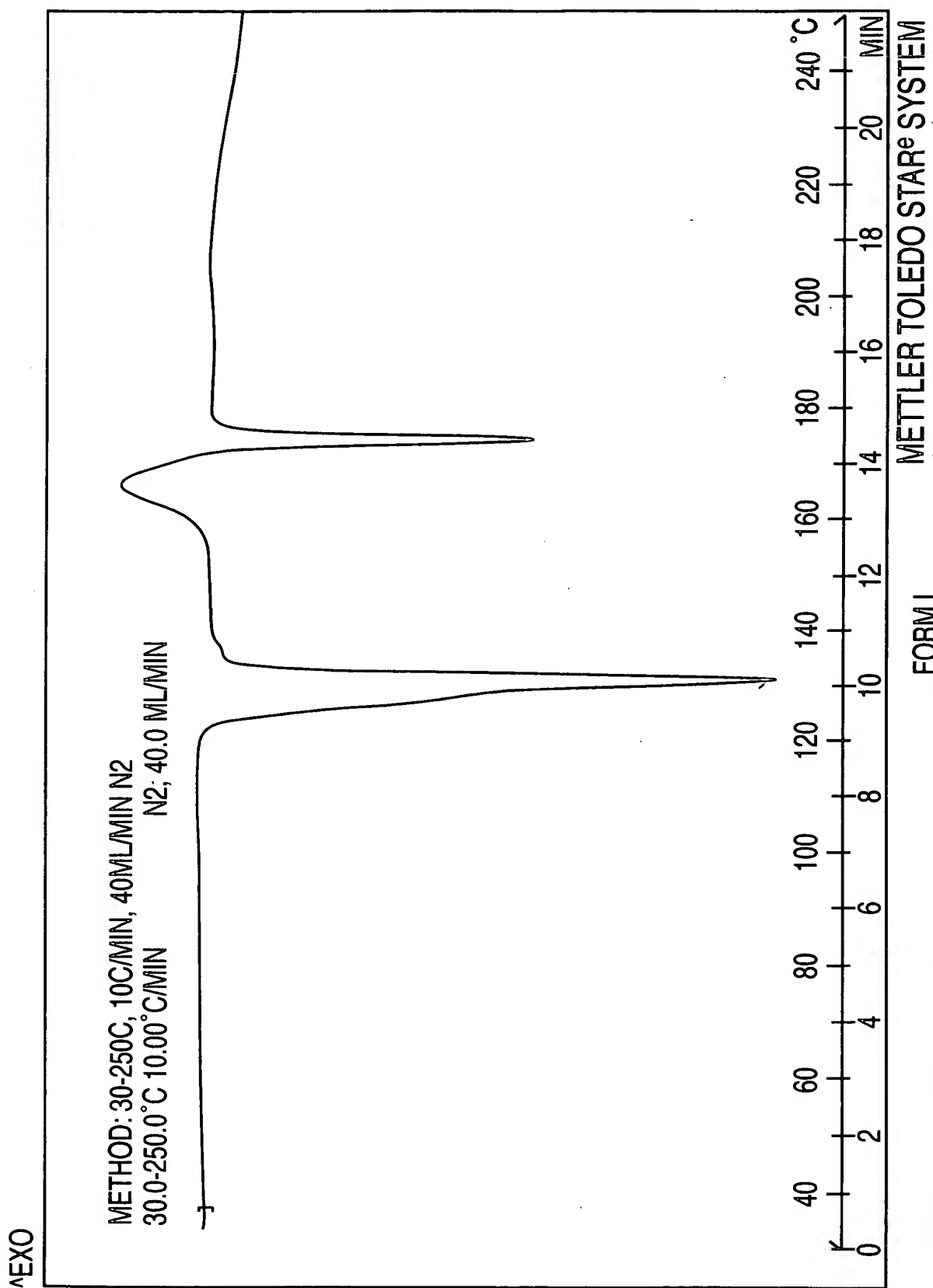


FIG. 44

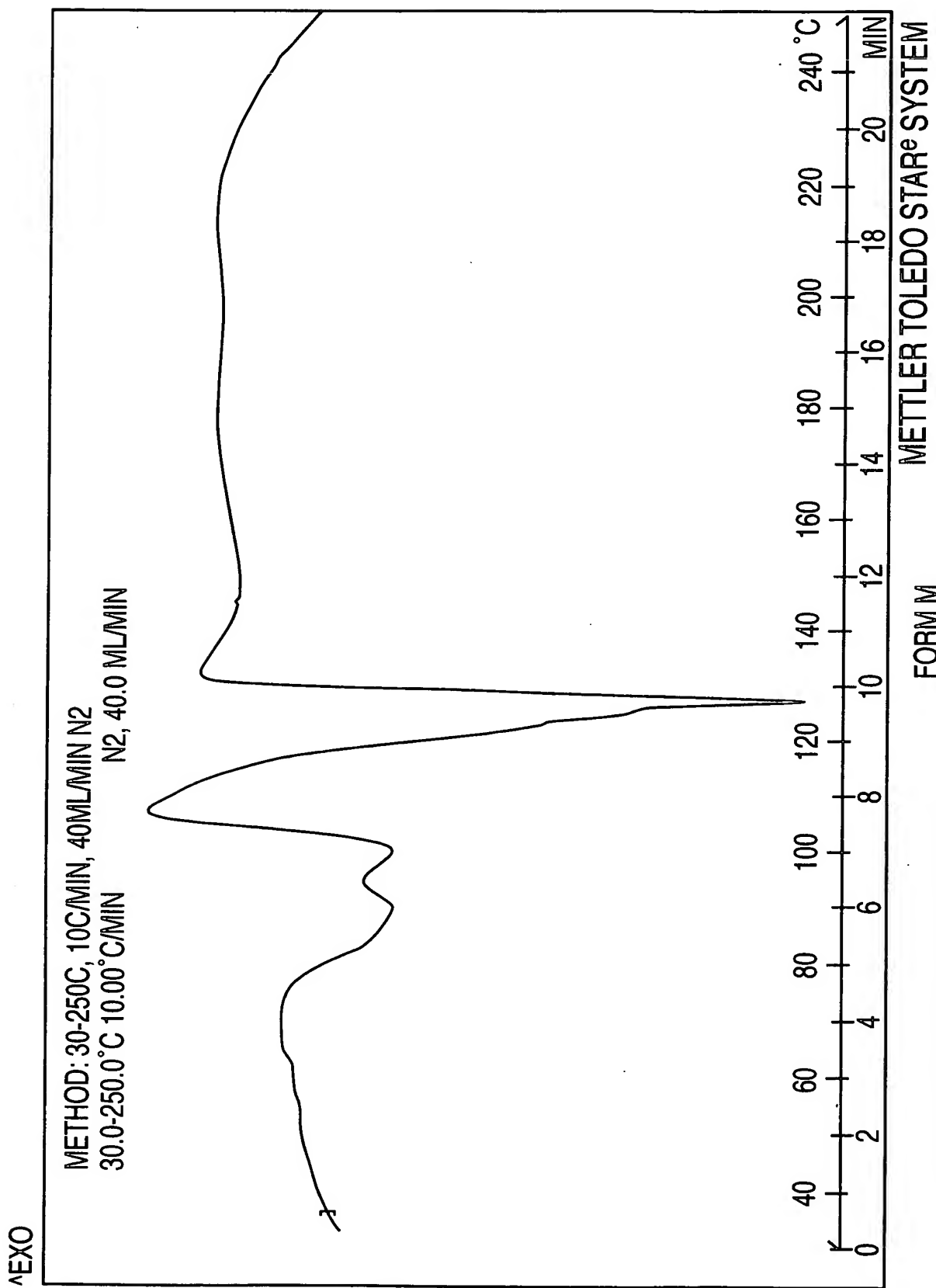
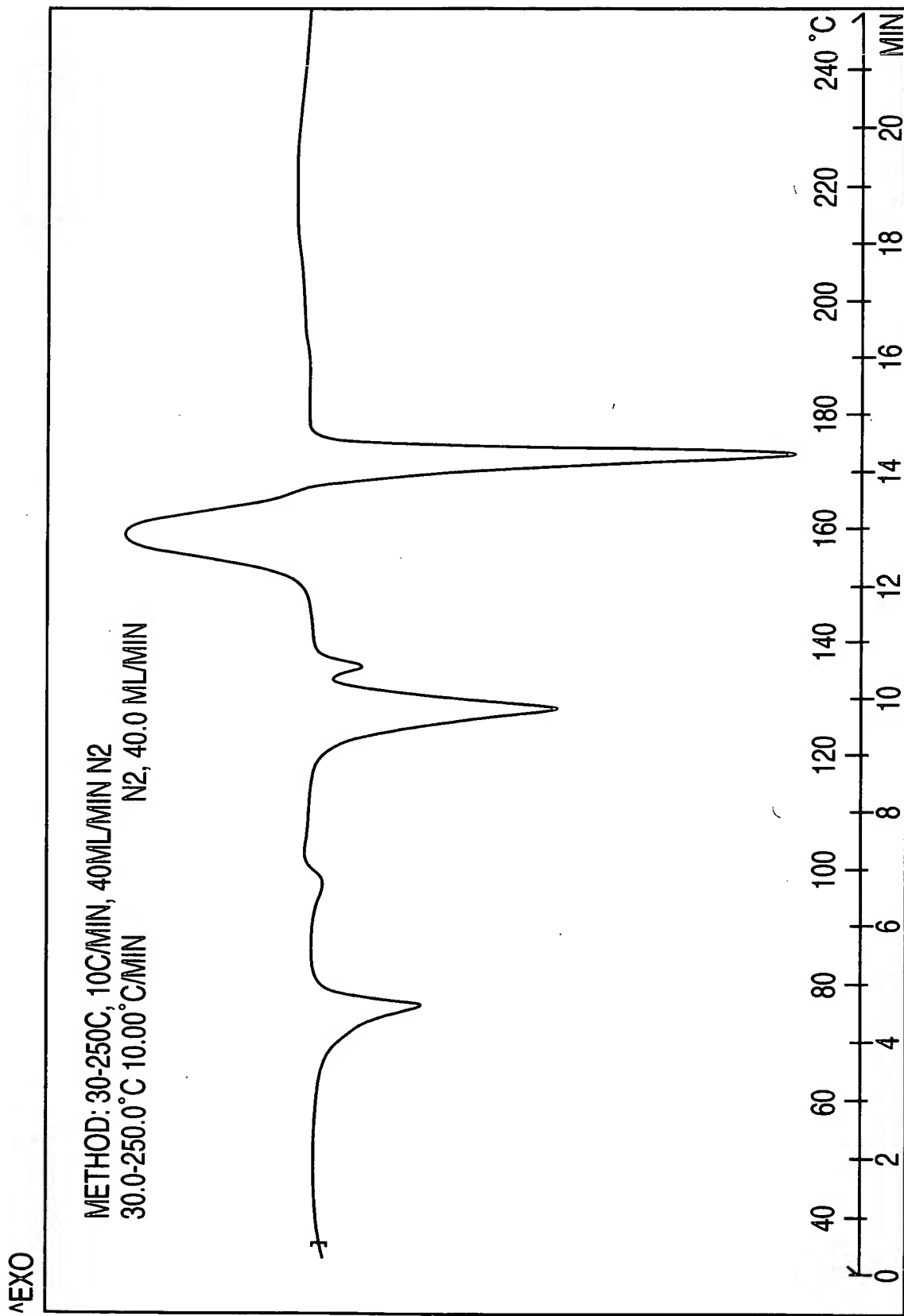


FIG. 45



METTLER TOLEDO STAR® SYSTEM

FORM N  
FIG. 46

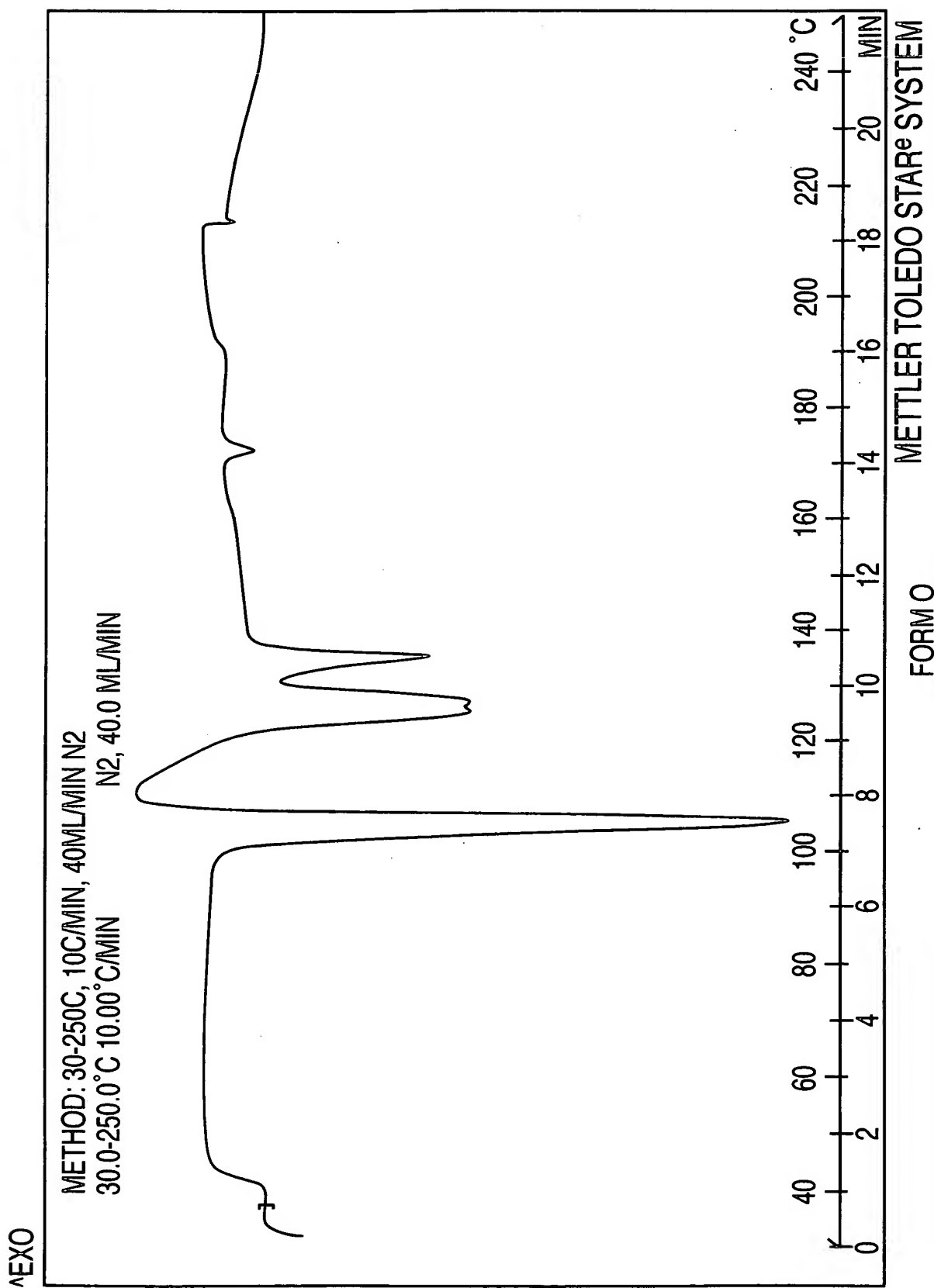


FIG. 47

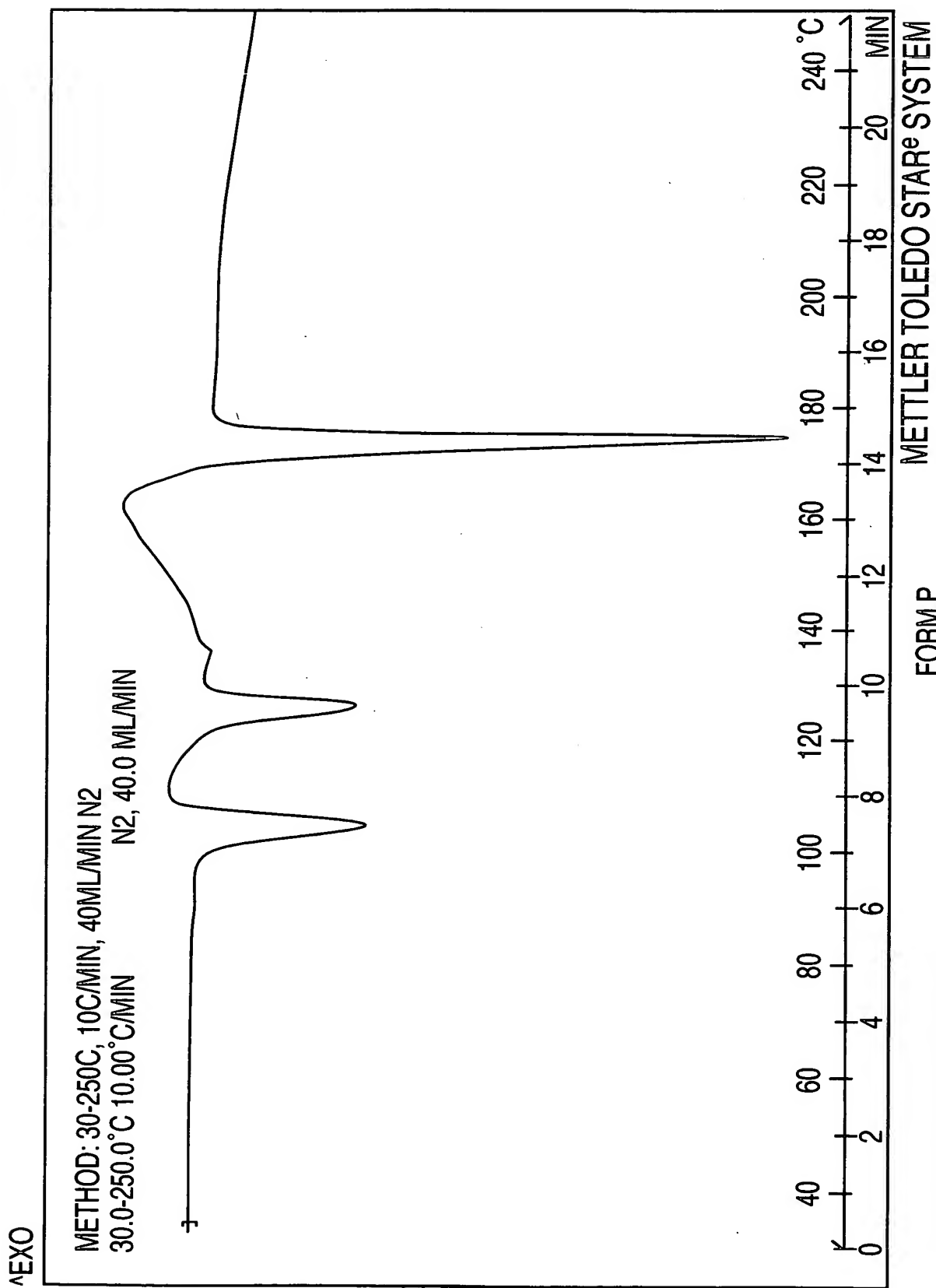


FIG. 48



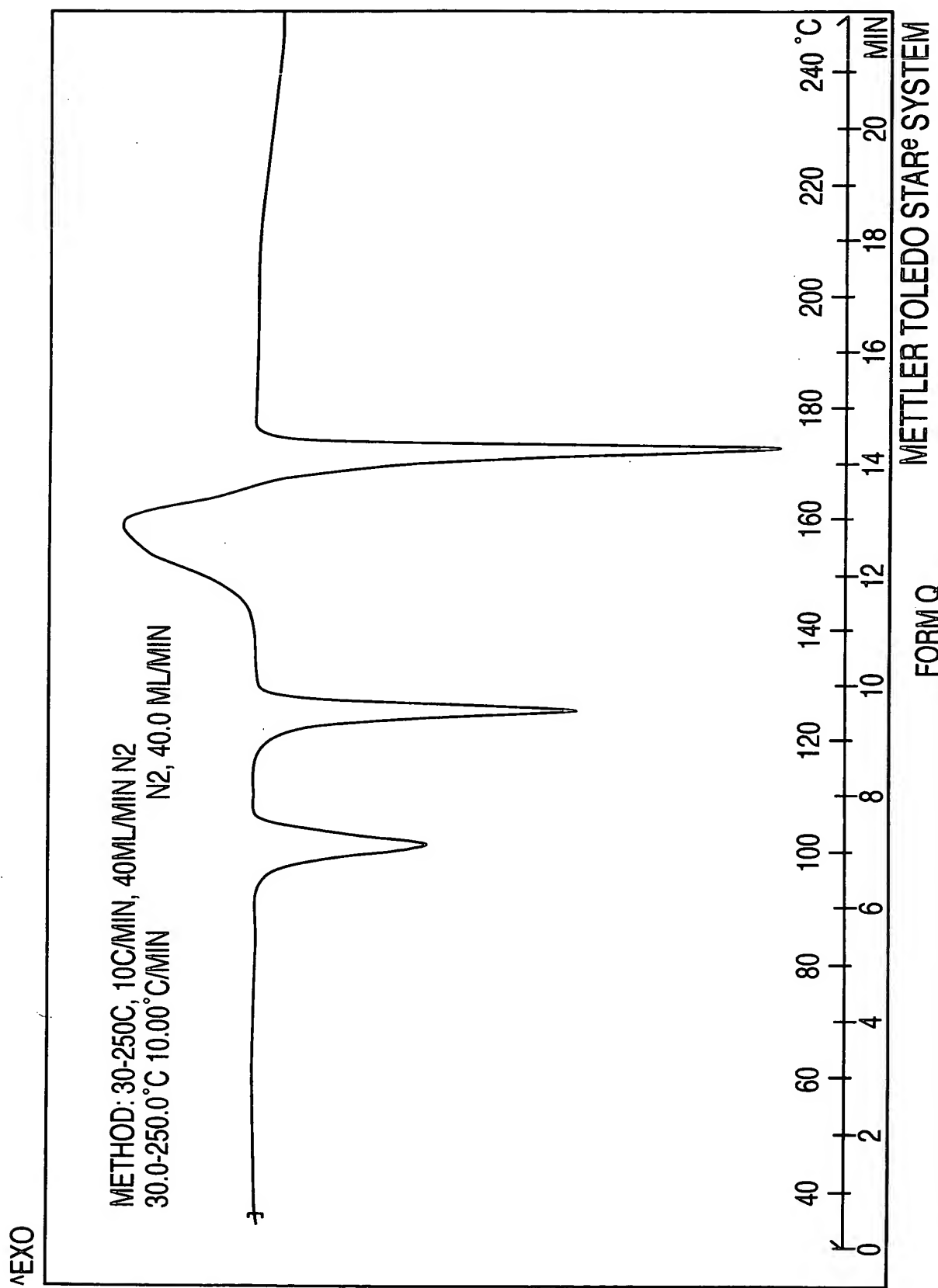


FIG. 49

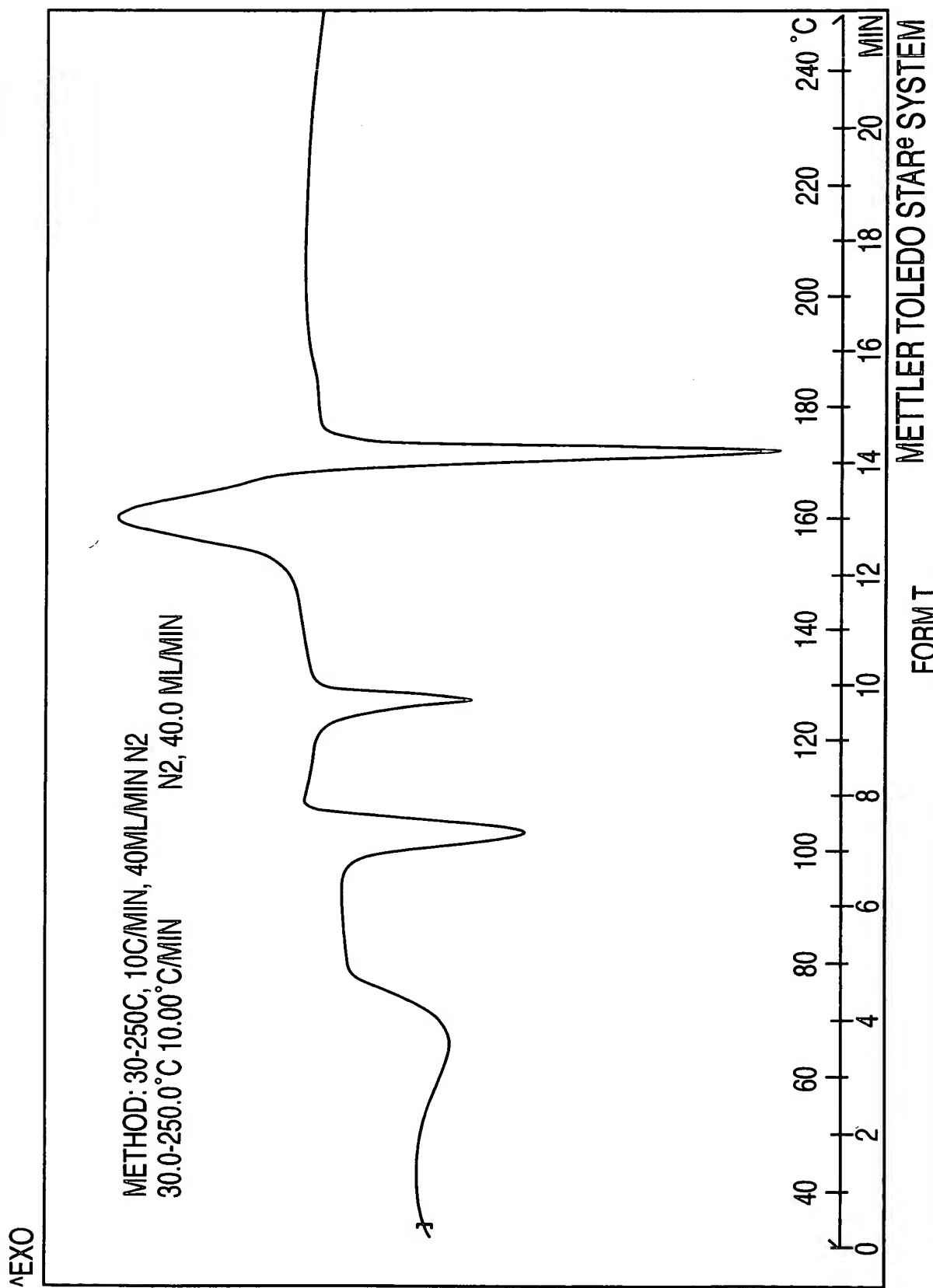
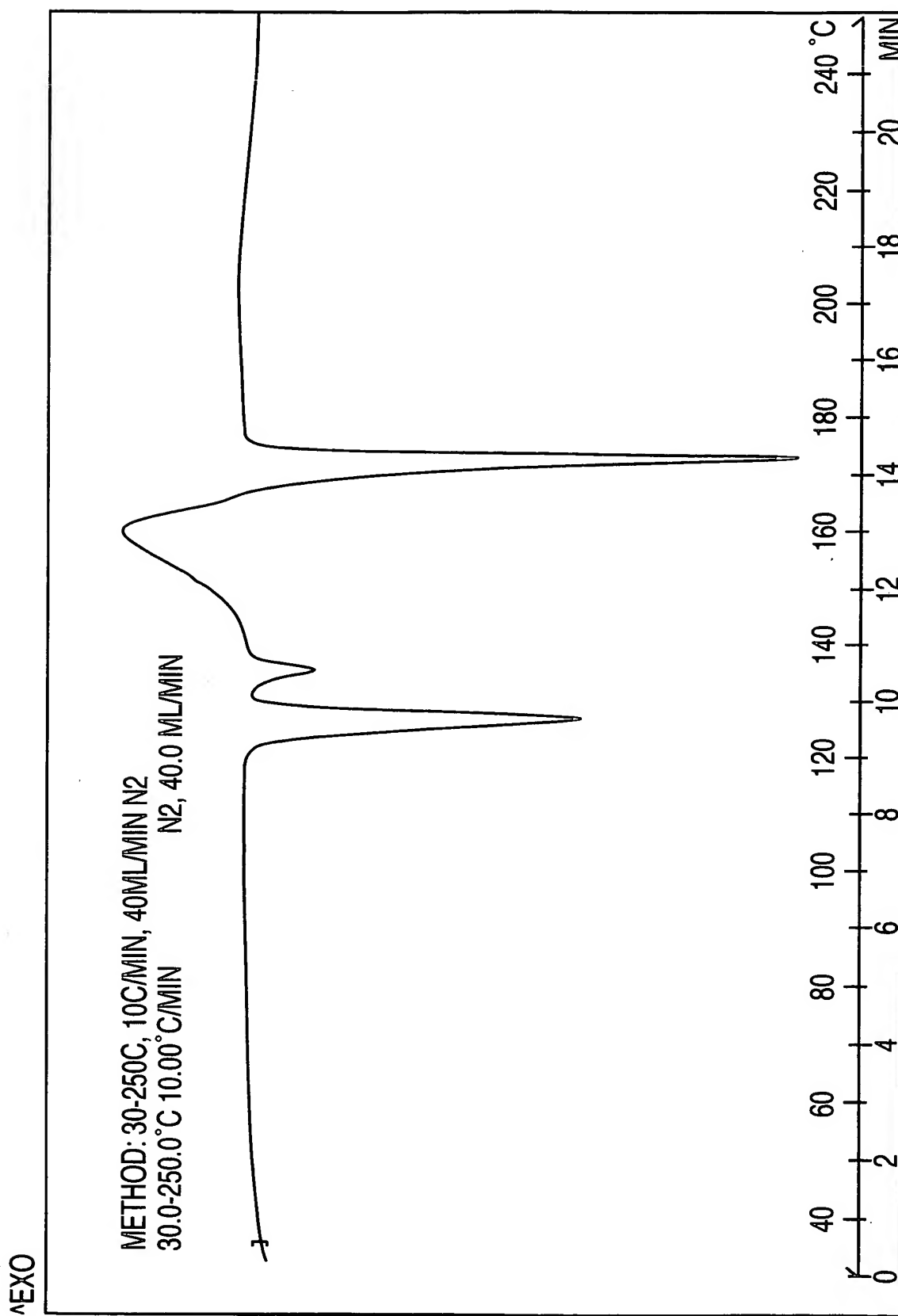


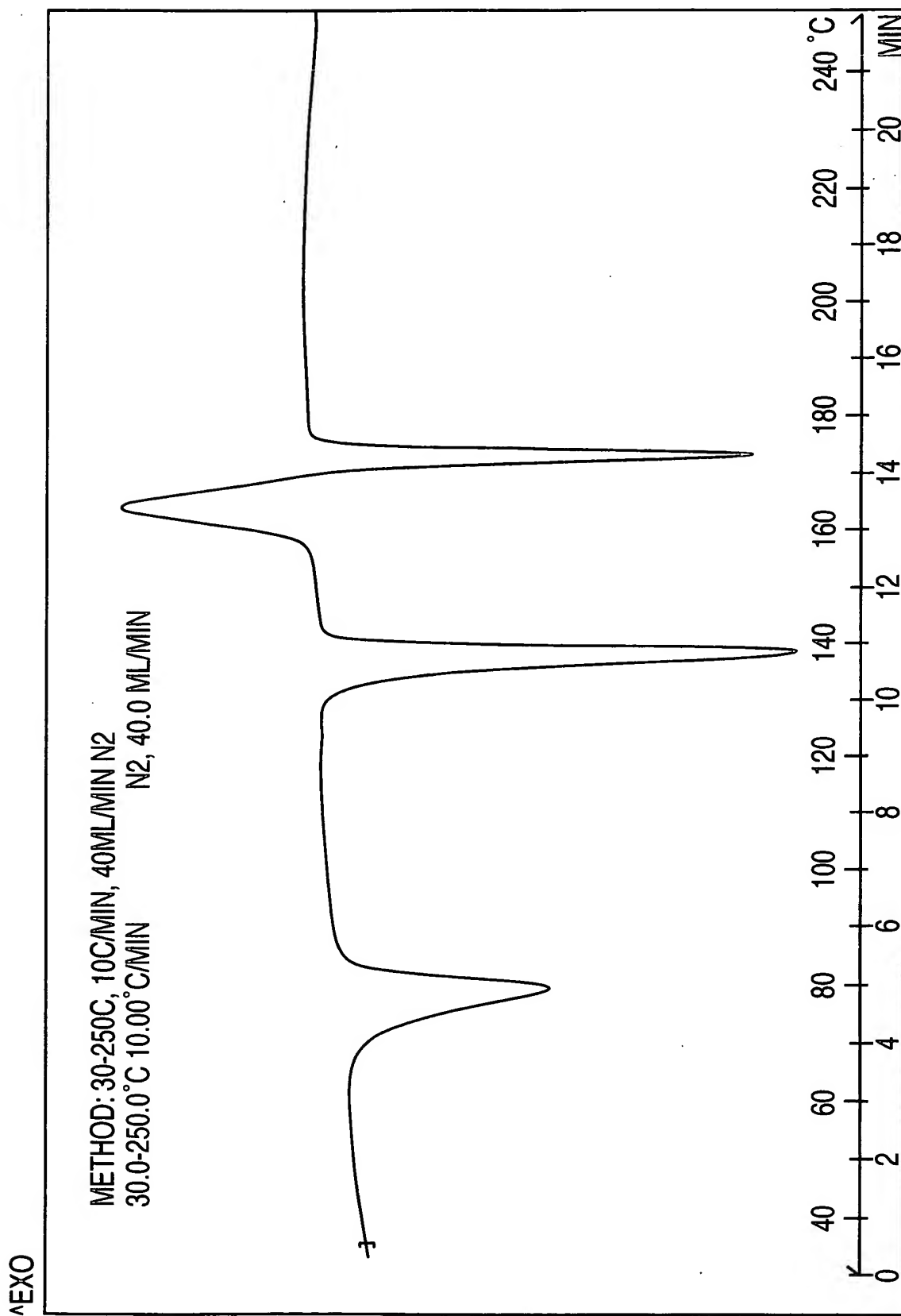
FIG. 50



METTLER TOLEDO STAR<sup>e</sup> SYSTEM

FORM U

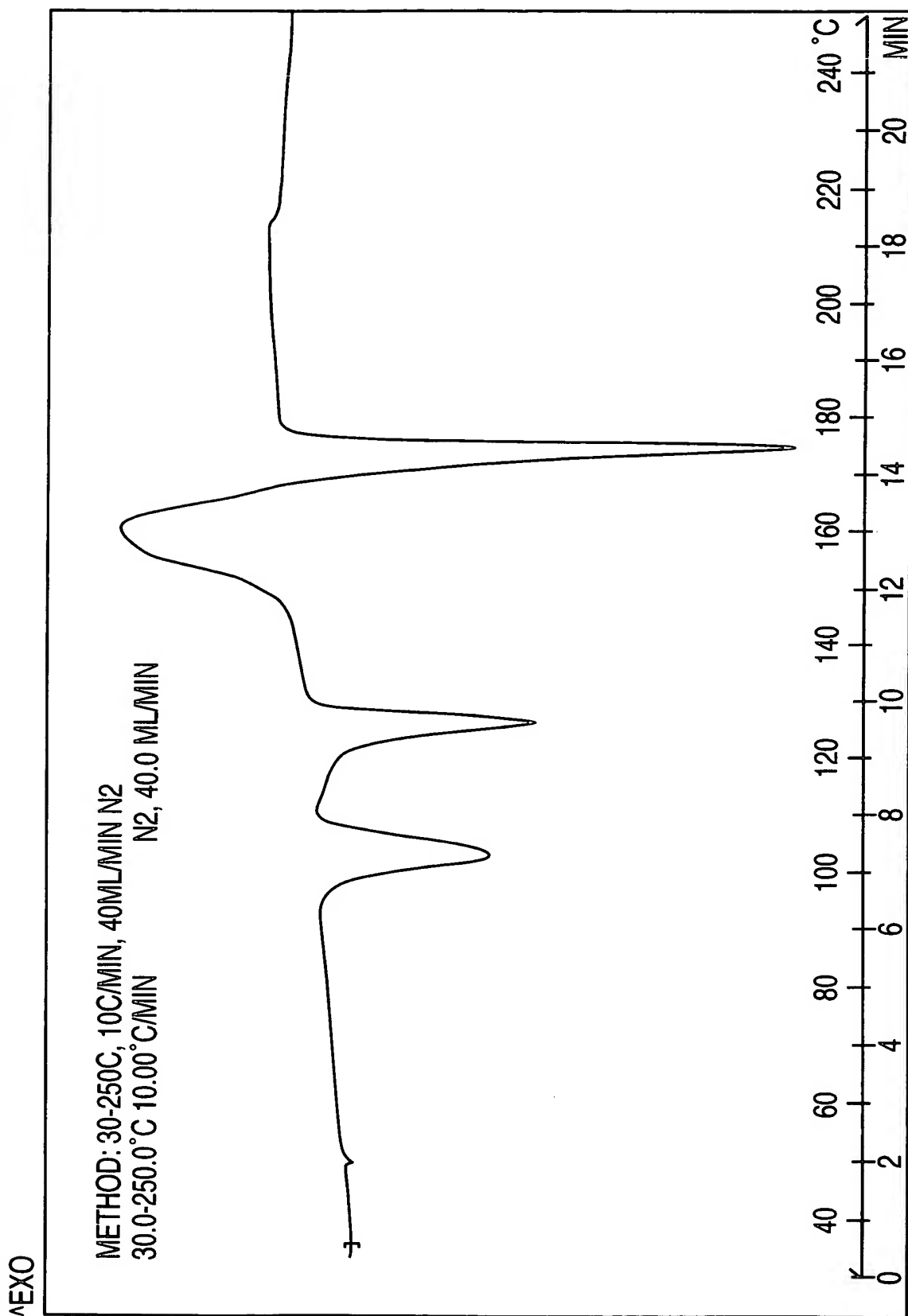
FIG. 51



METTLER TOLEDO STAR® SYSTEM

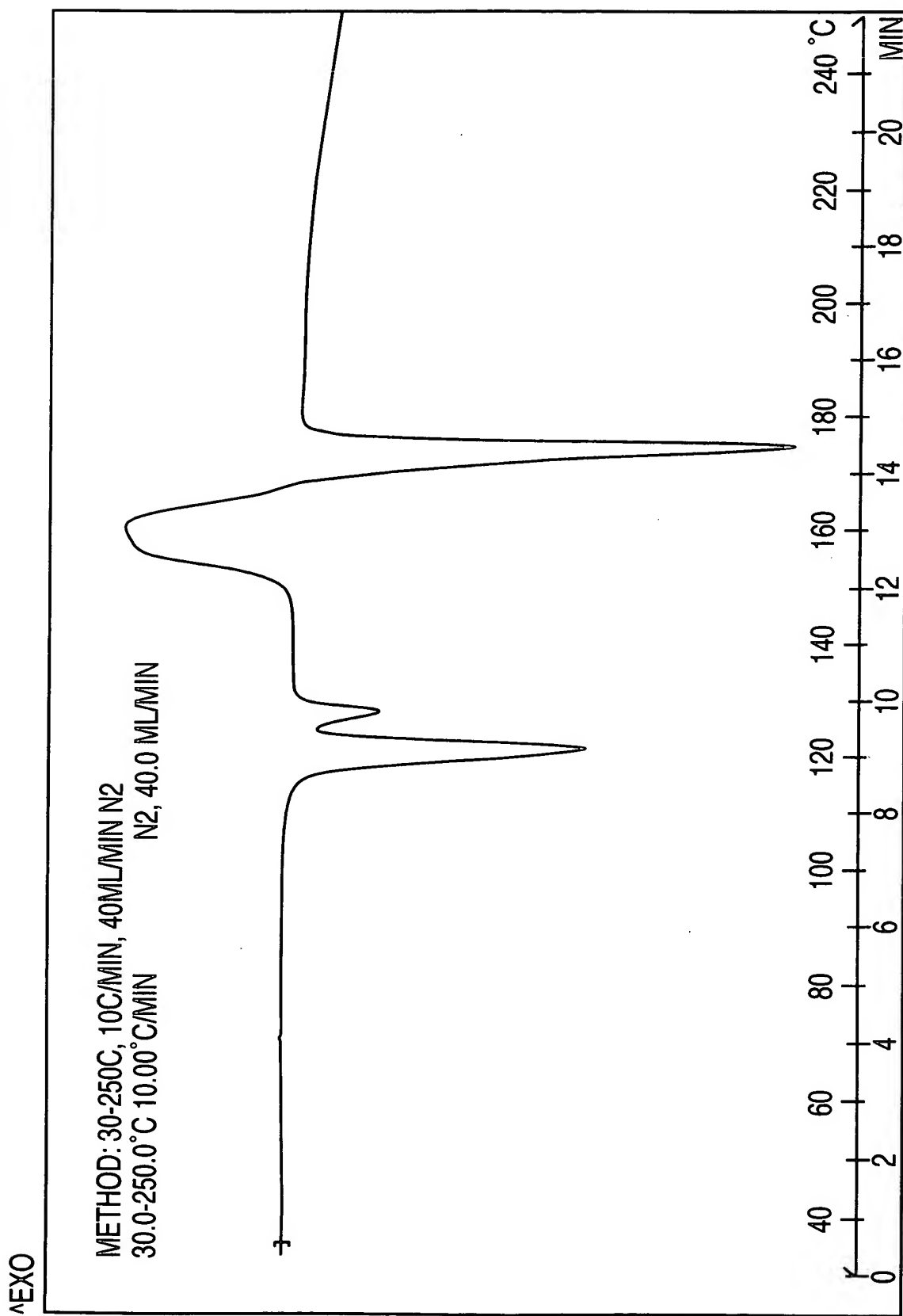
FORM V

FIG. 52

METTLER TOLEDO STAR<sup>e</sup> SYSTEM

FORM Y (CHLOROFORM SOLVATE)

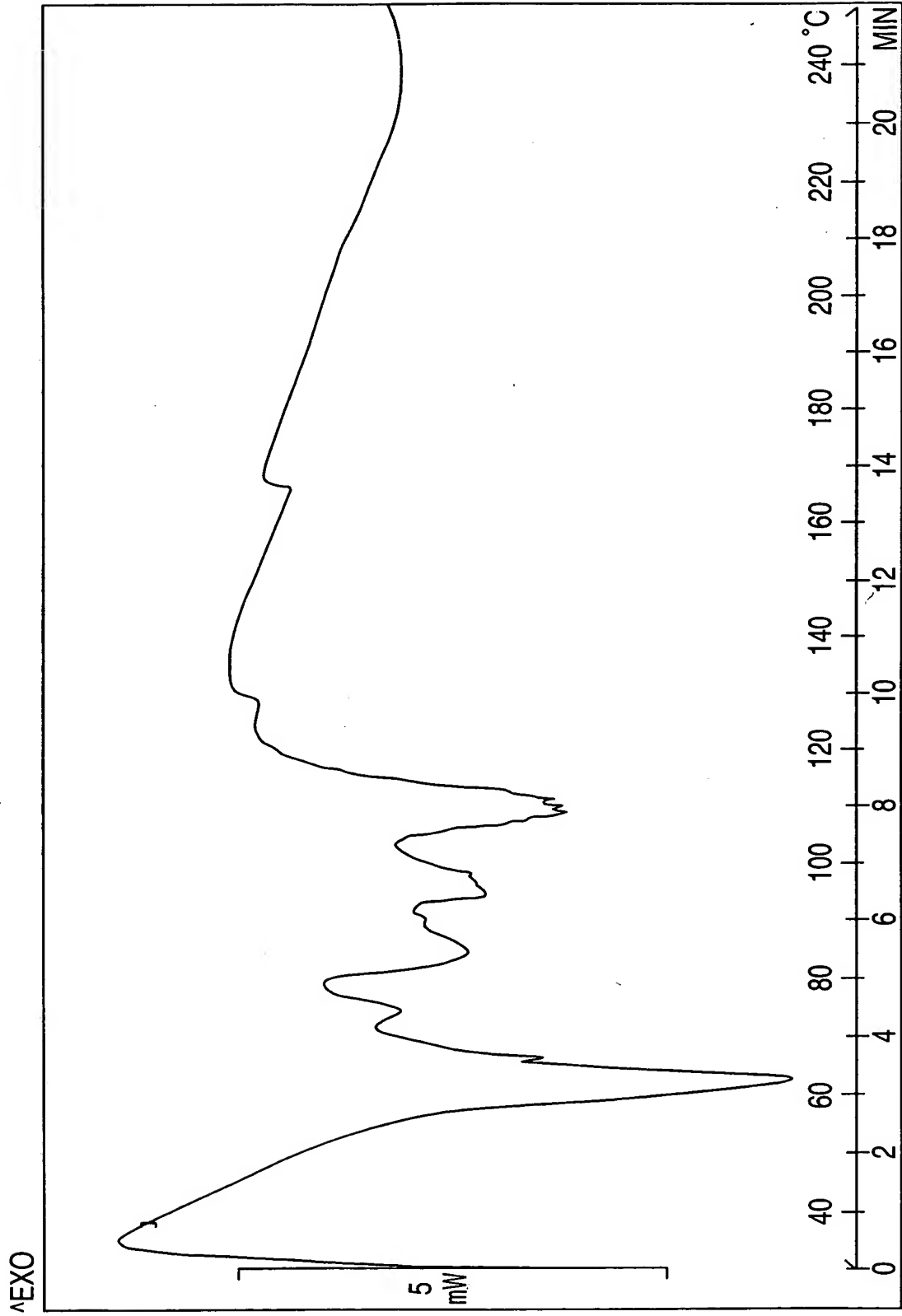
FIG. 53



METTLER TOLEDO STAR® SYSTEM

FORM Y (DICHLOROMETHENE SOLVATE)

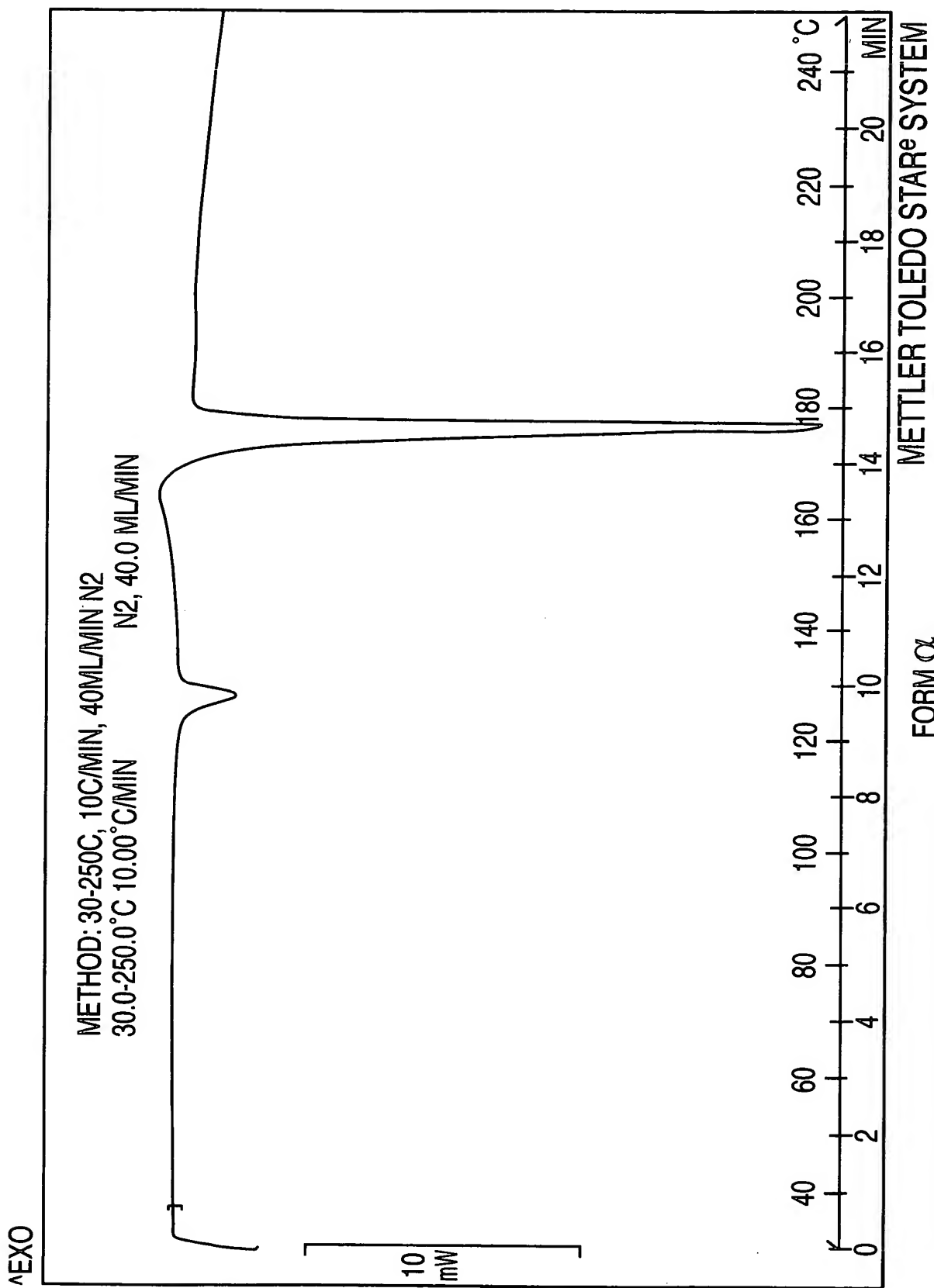
FIG. 54



METTLER TOLEDO STAR<sup>e</sup> SYSTEM

NATEGLINIDE FORM Z

FIG. 55





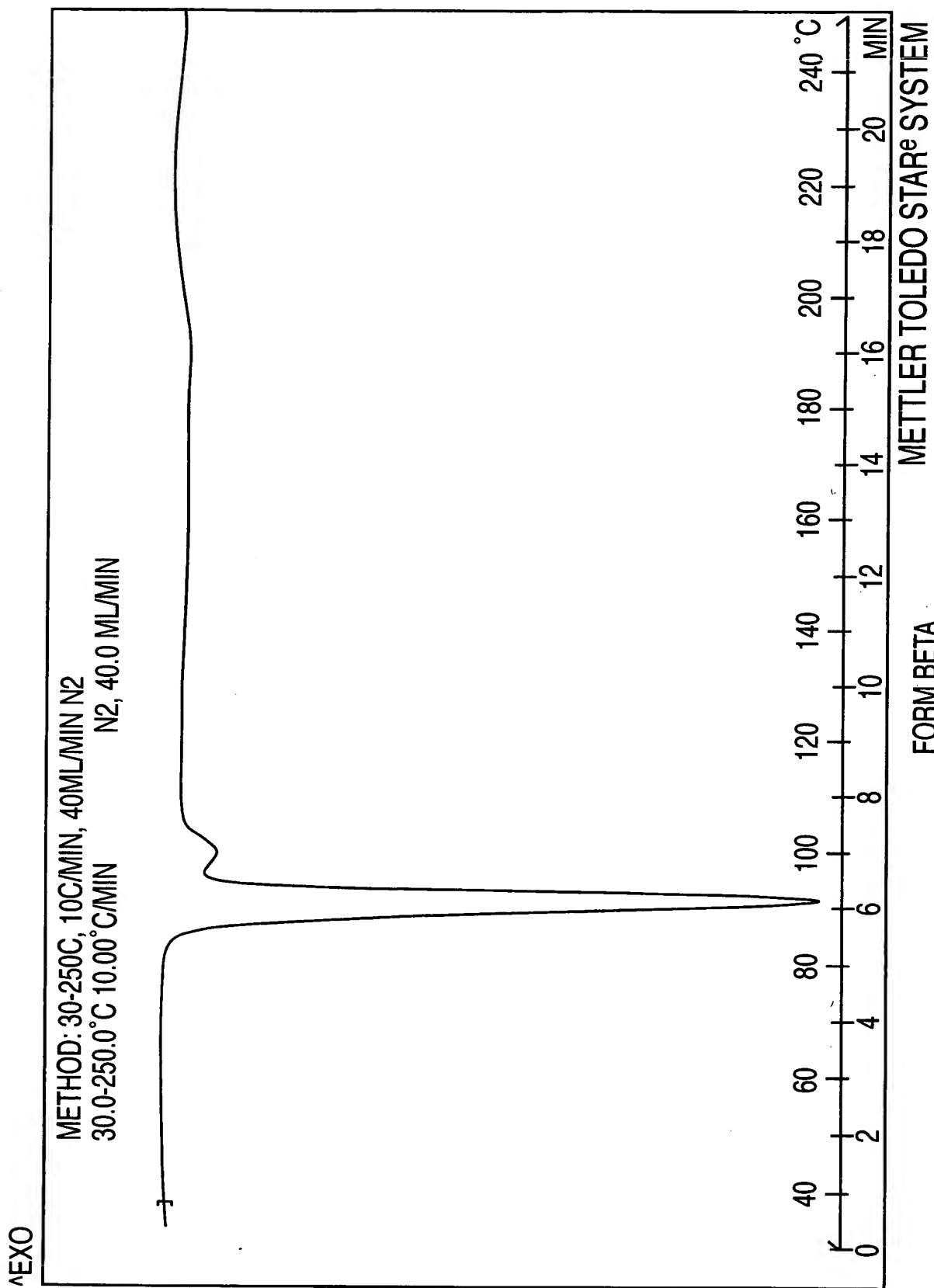
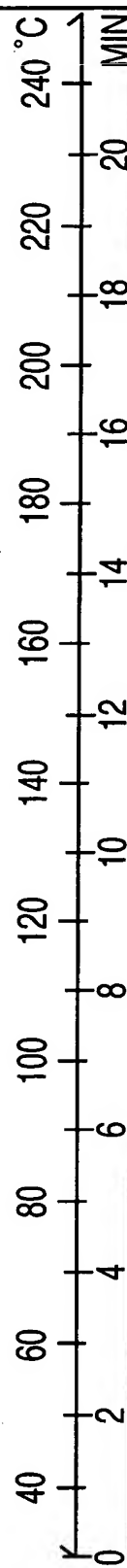


FIG. 57

^EXO

METHOD: 30-250C, 10C/MIN, 40ML/MIN N2  
30.0-250.0°C 10.00°C/MIN  
N2, 40.0 ML/MIN



METTLE TOLEDO STAR<sup>e</sup> SYSTEM

FORM DELTA

FIG. 58

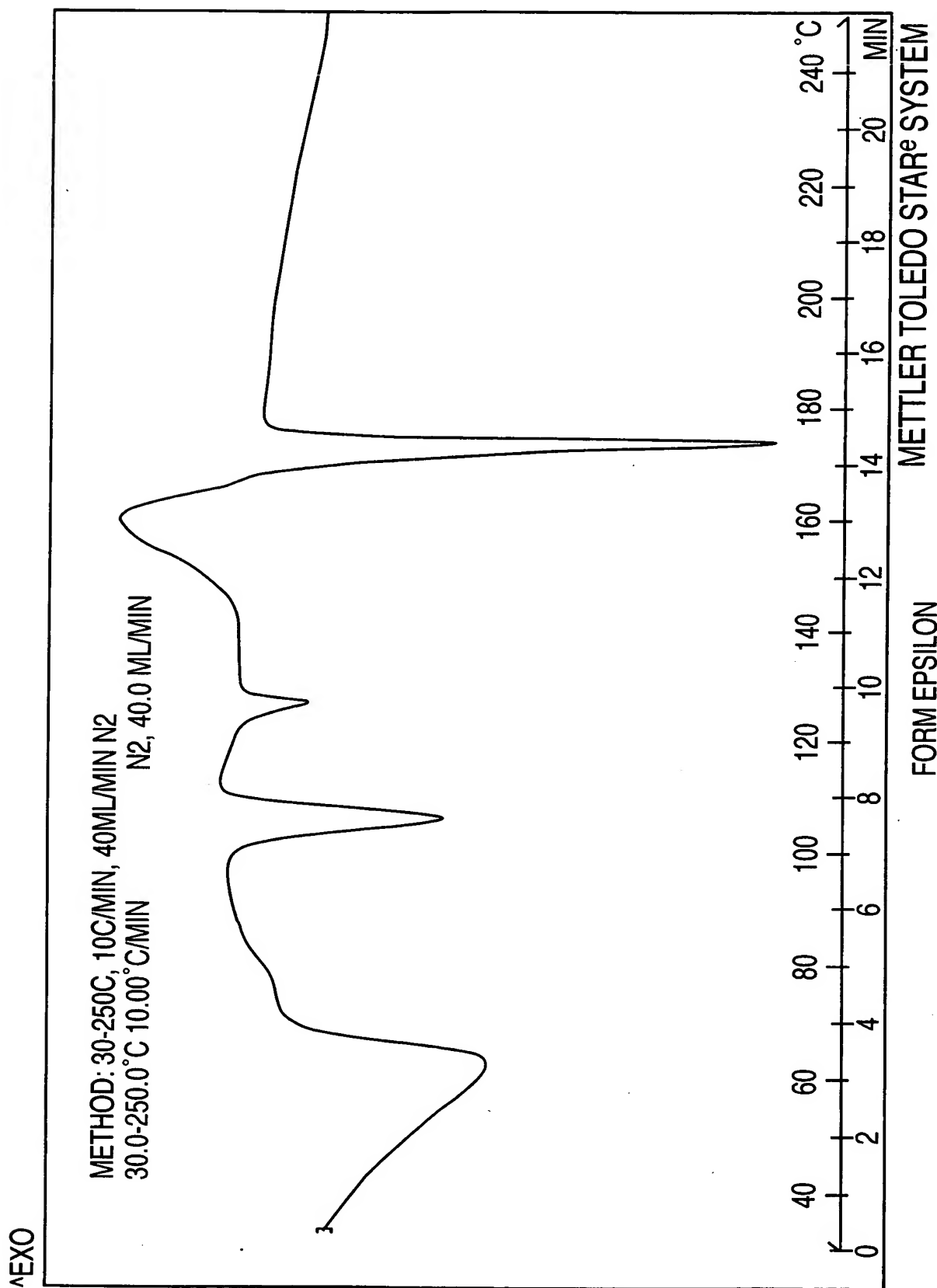


FIG. 59

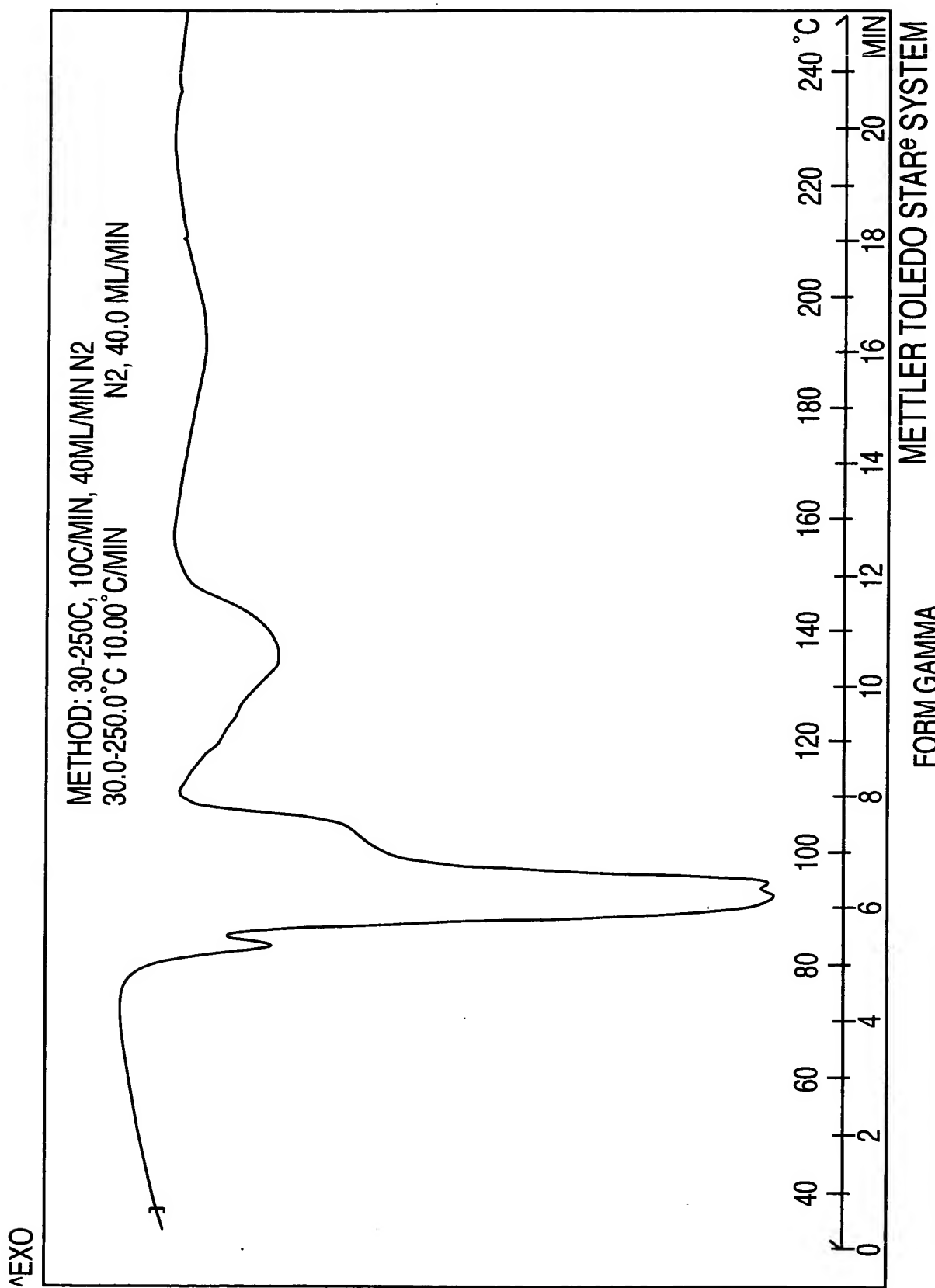


FIG. 60

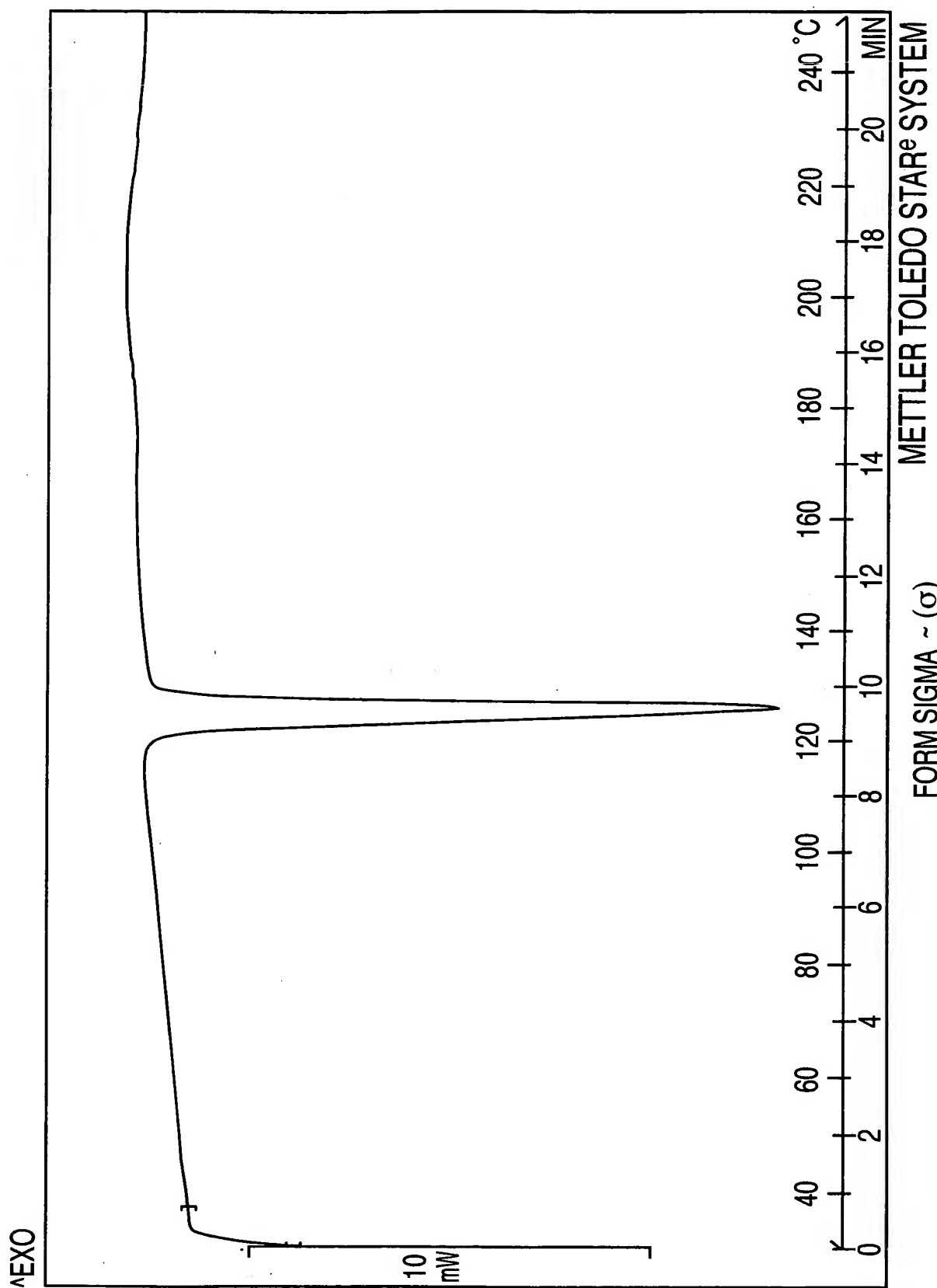
METTLER TOLEDO STAR<sup>e</sup> SYSTEM

FIG. 61

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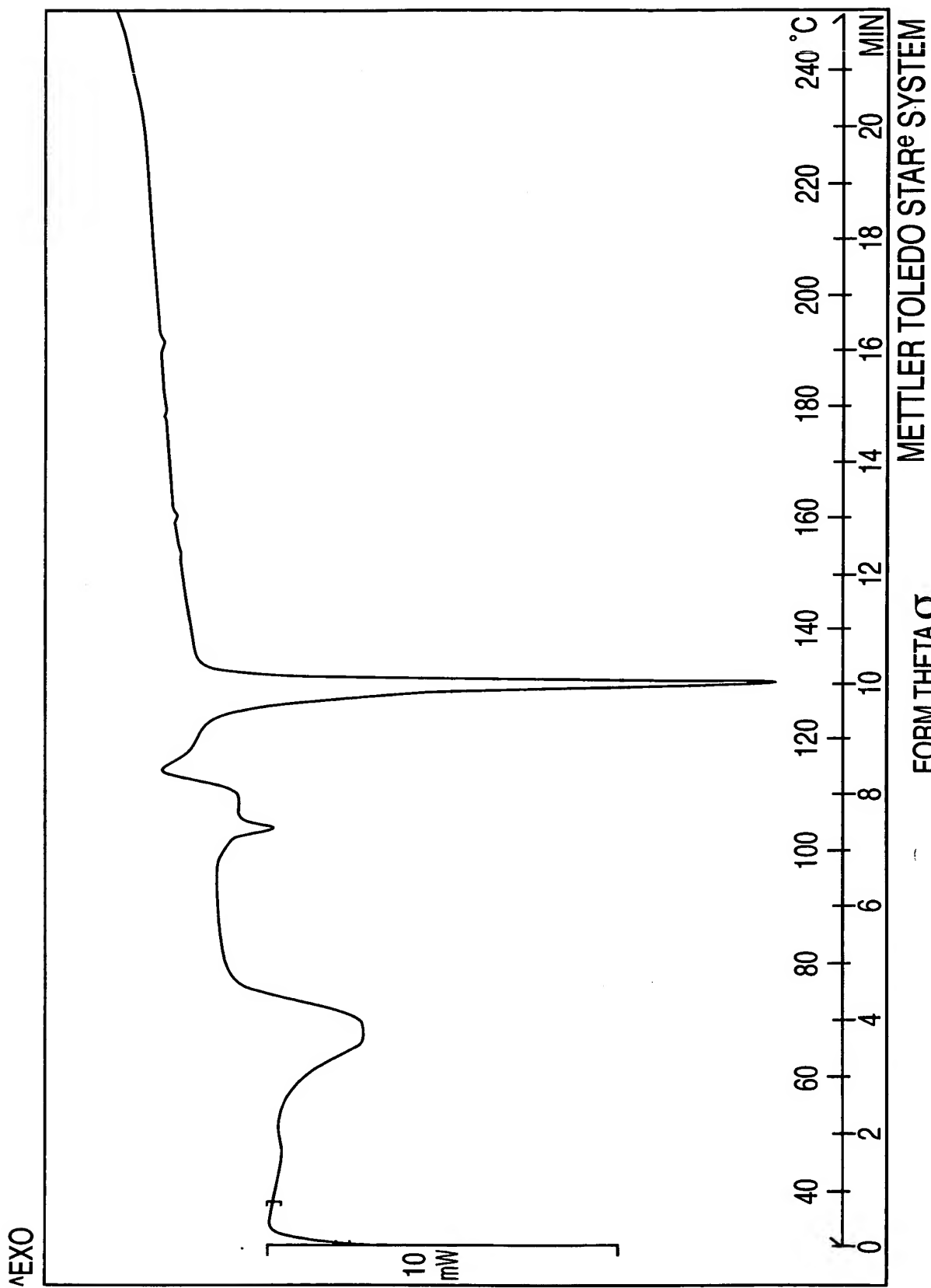


FIG. 62

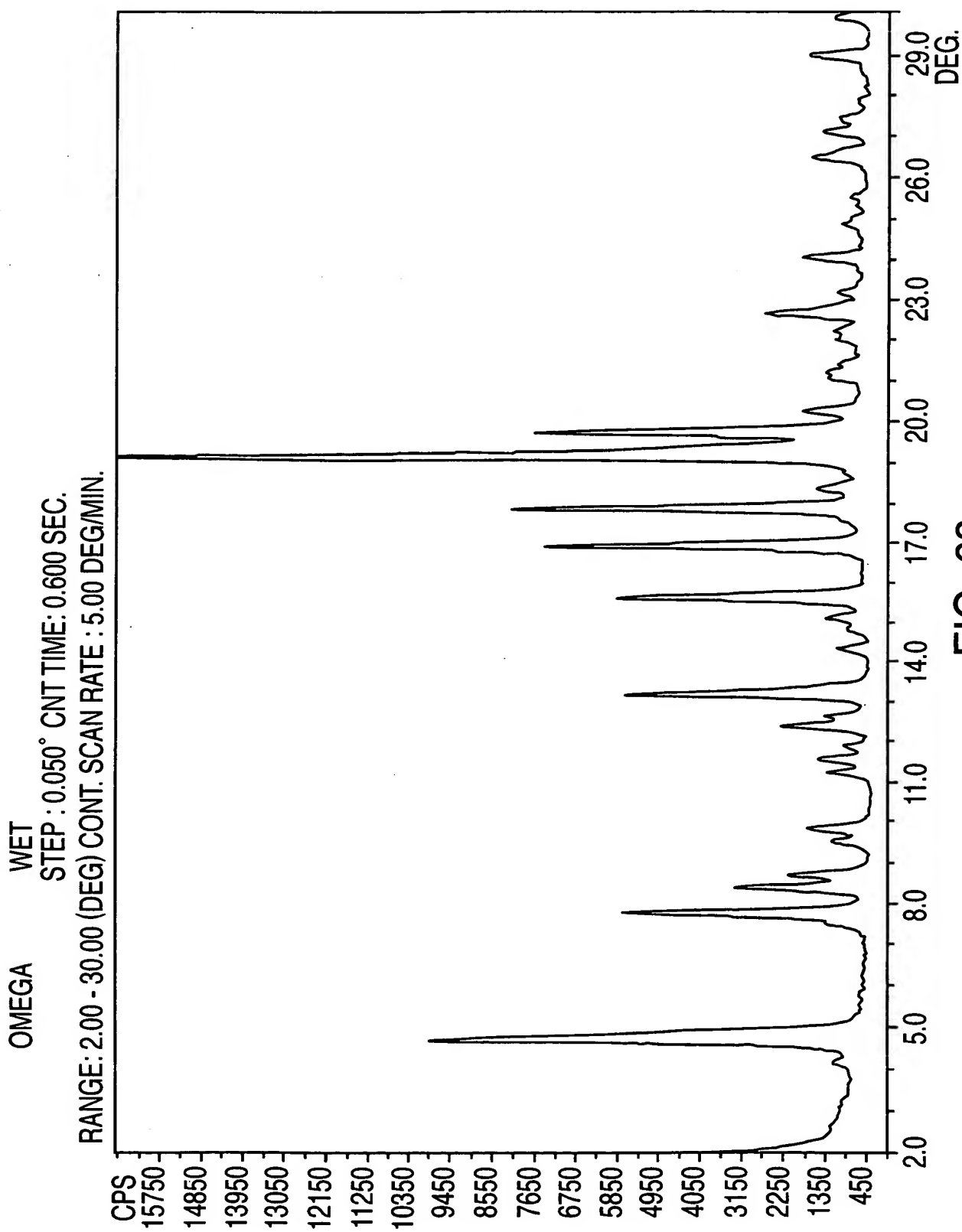


FIG. 63

Comparison between the impurity profile of Nateglinide crystallized in IPA-H<sub>2</sub>O and Nateglinide crystallized in Methanol-H<sub>2</sub>O

Sample No	Solvent	Impurity profile by RRT [% w/w]								
		D-PA (0.23)	(0.25)	(0.46)	(0.80)	Ipcha (0.89)	Dimer (1.38)	Methyl Ester (1.51)	(1.76)	Isopropyl Ester (2.3)
RL-2155/1	Methanol-H <sub>2</sub> O	<0.01		0.02	<0.01	0.03	0.02	2.91	0.04	
RL-2163/4	IPA-H <sub>2</sub> O	<0.01	0.04		0.02	0.02	0.01		0.03	0.02

Note: D-PA means D-Phenyl Alanine

Ipcha means Iso propyl cyclohexyl carboxylic acid

Both are the starting materials of the product

(-)-N-[(trans-4-isopropyl cyclohexane)carbonyl]-D-phenylalanine

FIG. 64